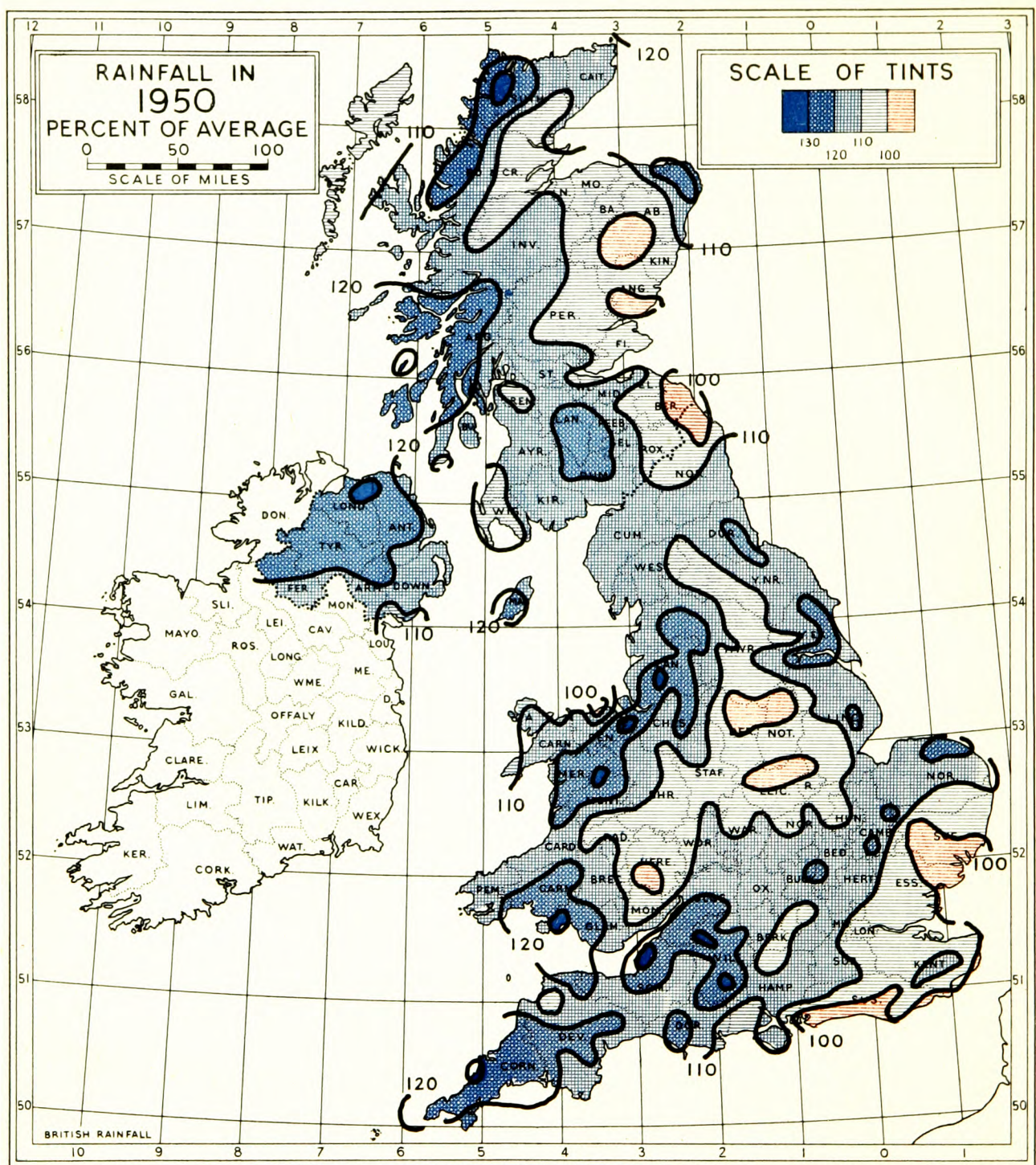


RELATION OF RAINFALL IN 1950 TO THE AVERAGE OF 1881-1915.



AIR MINISTRY, METEOROLOGICAL OFFICE.

The area coloured Red had rainfall below the average, that coloured Blue had rainfall above the average.

METEOROLOGICAL OFFICE

BRITISH RAINFALL

1950

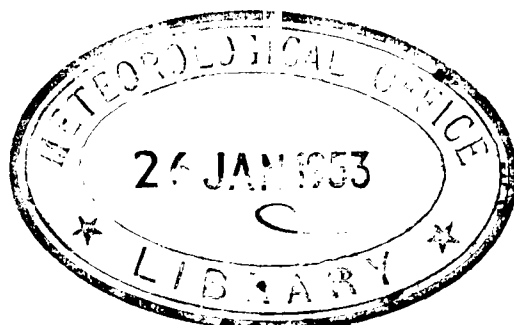
THE NINETIETH ANNUAL VOLUME OF
THE BRITISH RAINFALL ORGANIZATION

Report on the

DISTRIBUTION OF RAIN

IN SPACE AND TIME OVER GREAT BRITAIN
AND NORTHERN IRELAND DURING THE
YEAR 1950 AS RECORDED BY ABOUT
5,000 OBSERVERS

WITH MAPS



60549

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1952

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BRITISH RAINFALL 1950

PART I

1 The Work of the British Rainfall Organization

“BRITISH RAINFALL 1950.” The present volume is in the same form as that for 1949 and retains the main features of pre-war volumes, thus enabling comparison to be made between the rainfall of 1950 and that in earlier years. This comparison is facilitated by continuing to number the principal tables according to their sequence in the various sections. The series of maps showing monthly, seasonal and annual percentages of average have been continued, the annual map appearing as a coloured plate wherein the scale of tints of blue for more than average and of red for less than average has been continued.

Two special features will be found in Part III. The first is a summary of the descriptive articles which have been published in the volumes of *British Rainfall* from 1926 to 1950. This summary brings up to date similar summaries for the years before 1926 published in *British Rainfall* for 1900 and 1926. The second special feature is a statement of the average monthly and annual rainfall during the period 1881–1915 for each county of England and Wales.

LOCAL ORGANIZATIONS. Most of the rainfall returns from which this volume has been compiled are sent by the observers direct to the Meteorological Office, but in some regions there are local organizations who have greatly assisted by collecting rainfall returns for forwarding to the Office and by stimulating interest in weather recording. Among the officials of such organizations there should be mentioned Mr. R. Butler of

the Hertfordshire Natural History Society ; Mr. C. W. Boddington of the Northamptonshire Natural History Society ; Mr. R. S. Copeman of the Norfolk Rainfall Organization ; the Librarian, North Devon Athenaeum ; Mr. E. L. Kelting of the Mid-Wessex Rainfall Association ; and Mr. D. W. Bogle of the Cornwall Rainfall Association.

Mr. Robert Burrow, Engineer and Manager of the Jersey New Waterworks Company, forwarded returns from several stations in Jersey, and Mr. W. N. McCall, Burgh Engineer of Kilmarnock, continued the collection of records in Ayrshire.

The exchange of information with Captain W. N. McClean in connexion with his work on River Flow was continued.

There was also an exchange of rainfall data with the Director of the Meteorological Service of the Irish Republic.

THE STAFF OF OBSERVERS. The basis of discussion of the rainfall which is presented in this volume is the collection of about 5,500 returns of rainfall received from all parts of the country. Not all of these are included in the General Table (Part II of this volume), the Table being shortened by the omission of returns from check gauges and of some records which are not complete. Returns are contributed by private persons who measure the rainfall primarily as a matter of personal interest, or by public local authorities—and especially the authorities of water undertakings—who find that a knowledge of rainfall is essential to them in their work. The goodwill of the observers

who voluntarily forward copies of their observations for preservation is gratefully acknowledged. Without their co-operation the compilation of this volume would not have been possible.

The total number of records printed in Part II of this volume is 5,043, an increase of 99 over 1949. As many as 398 additional records are included, while 299 records printed in *British Rainfall* 1949 have dropped out of the table.

The net gain in England was 11, in Wales 41, in Scotland 35 and in Northern Ireland 12.

A number of additional rainfall records are included in this volume and the following are of special interest :—four records maintained by the Taunton Waterworks near Clatworthy, to the south-east of the Brendon Hills ; eleven from rain-gauges at altitudes of 800–1,400 feet set up by the Montgomery County Council in November 1949 ; eight for the Daer Valley maintained by the Lanarkshire County Council ; eight maintained by the North of Scotland Hydro-Electric Board ; seven received through the Government of Northern Ireland ; two in the Cheviot Hills maintained by the Northumberland and Tyneside River Board ; and isolated (climatological) stations at Widecombe-in-the-Moor and Bwlchgwyn, to the west of Wrexham.

Rainfall records for earlier years were received from many sources. Among these may be mentioned the records kept at High Mark, near Malham, since 1929, received from the Docks and Inland Waterways Executive ; at Ballywalter Park, Co. Down, since 1932 from Mr. D. Campbell, Head Gardener to Lord Dunleath ; at Rishworth (Lodge Hole) and Soyland Moor (Waystone Drain) since 1935 from the Engineer and Manager, Wakefield Corporation Waterworks ; at Warfield (Jealott's Hill) since 1937 from Imperial Chemical Industries, Ltd. ; and at Leicester (Tower Hospital) for the years 1871–1886 from the Steward.

INVESTIGATIONS. An article by Dr. J. Glasspoole, " Rainfall over Great Britain and

Northern Ireland during the decade 1940–49," was published in the *Quart. J. R. Met. Soc.*, Vol. 77, 1951, p.307, and another on " Absolute Droughts of August 1947 " in the *Meteorological Magazine*, Vol. 79, 1950, p. 260. An article " The Reliability of Rainfall over the British Isles (Third Paper), Frequency Distribution " was discussed at the winter meeting (1950–51) of the Institution of Water Engineers and another on " Rainfall, Run-off and Evaporation " at the Public Works and Municipal Services Congress and Exhibition, Olympia, under the auspices of the British Waterworks Association, in November, 1950.

In May 1951 the Director of the Meteorological Office arranged for the formation of a hydrology section to undertake a programme of work on practical problems, based on a comprehensive picture of the complete hydrological cycle — rainfall, evaporation, percolation and run-off. Although records of evaporation and percolation have been published regularly in *British Rainfall*, discussion previously has been limited to consideration of rainfall only, and, as a matter of policy, definitely not extended to cover such matters as evaporation, percolation, run-off or cognate questions. The scope of the work has therefore now been greatly widened. During the year estimates were supplied to the Inland Water Survey Committee of the general monthly rainfall 1937–1945 for 37 areas for inclusion in the next volume of the Surface Water Year-Book of Great Britain.

Dr. J. Glasspoole served on the British Rainfall Fund Committee of the Royal Meteorological Society ; on the Hydrological Research Group of the Institution of Water Engineers and on the Rainfall, Run-off and Floods Committee of the Institution of Civil Engineers.

INSPECTIONS. In addition to inspecting each year about 100 climatological stations, it has been possible to visit a number of rainfall stations. Sites for additional rain-gauges were selected in north Somerset with

Mr. C. H. Archer of Wootton Courtenay, and in the neighbourhood of Blanchland for use by the Sunderland and South Shields Water Company.

INQUIRIES. Inquiries regarding rainfall in various parts of the country covered a very wide field. As in previous years they included many requests for records defining the rainfall experienced during specified periods in particular localities, the supply of estimates of the average annual and monthly rainfall over specified areas, advice on the provision of equipment and the best exposure for rain-gauges.

Information was supplied monthly for publication in *Water and Water Engineering* and the *Meteorological Magazine* while monthly reports on the rainfall of Great Britain and Northern Ireland were furnished to the British Waterworks Association and to certain Government Departments. Detailed reports were supplied each month to the Metropolitan Water Board and the Thames and Lee Conservancies. A comprehensive annual report was also prepared for the Metropolitan Water Board. The regular monthly issue of rainfall maps and data to industrial firms, Government Departments, consulting engineers, local authorities and

numerous River and Conservancy Boards was continued and extended.

The Office in Edinburgh dealt with numerous inquiries from legal and insurance firms and water supply authorities. Advice was given to the Scottish Departments of Agriculture and Health, County Planning Authorities and the Hydro-Electric Board. Data were also supplied to the Registrar-General for Scotland and to various industrial concerns.

OBITUARY. During the twelve months ending 30th June, 1951, reports were received of the deaths of 55 observers who had contributed to volumes of *British Rainfall*. Of these, 15 kept rainfall records for 30 years or more. A list of these is given below.

Miss P. C. Harrison maintained a record for close on 50 years, from 1901 to September 1912 at Horeham Manor, between Eastbourne and Tunbridge Wells, and from October 1912 to June 1950 nearby at Horam (Coxlow).

Major J. Shipley Ellis forwarded returns of his daily observations from January 1903 until December 1949 when failing eyesight brought the long record maintained at Abbeyfields, Peterborough, to an end. He reported at the end of 1949 that he had "derived very much

Name	Last place of observation	No. of years' records
Miss P. C. Harrison	Horam, Sussex	49
Major J. Shipley Ellis, J.P.	Peterborough, Northamptonshire	47
C. J. P. Cave, Esq., M.A., J.P.	Petersfield, Hampshire	45
C. T. Musgrave, Esq.	Hascombe Place, Surrey	44
E. H. Cubberley, Esq.	Bidford-on-Avon, Warwickshire	43
A. Hampton Brown, Esq.	Farnham, Surrey	43
Col. H. C. Lloyd Howard, C.B., C.M.G., D.S.O.	St. Asaph, Flintshire	40
R. J. Cragghill, Esq.	Kendal, Westmorland	39
Rev. Canon H. J. E. Burrell	Trumpington Road, Cambridge	36
B. A. Bray, Esq.	Shere, Surrey	36
C. G. D. Hoare, Esq., M.A.	Uckfield, Sussex	35
F. Hudleston, Esq., M.Inst.C.E.	Penrith, Cumberland	35
Alban Coore, Esq.	Scruton Hall, Yorkshire	31
Major W. H. Shoolbred-Wilkin	Membury, Devonshire	30
G. Coleman, Esq.	Ystradgynlais, Brecknockshire	30

pleasure from the practice " and had supplied details of the rainfall frequently to the local press.

Capt. C. J. P. Cave, M.A., maintained a rainfall record at Petersfield from May 1905 until he died in December 1950, and also contributed evaporation and duration of rainfall records to *British Rainfall*. He was the last surviving Trustee of the *British Rainfall Organization* (see *British Rainfall*, 1918, p.21). He had wide interests in meteorology, including upper air research, thunderstorm research and cloud studies (see *Quart. J. R. Met. Soc.*, April, 1931, p.334).

Mr. Charles T. Musgrave forwarded records from Hascombe, near Godalming, from 1906 to 1948 in continuation of observations made at the Rectory since 1893 by the Reverend Canon Musgrave. The record has been continued by Miss F. C. Musgrave.

Mr. E. H. Cubberley sent rainfall records from Moor Hall, Bidford-on-Avon from 1907 until 1949. He was interested in many aspects of meteorology.

Mr. A. Hampton Brown was on the staff of the Royal Meteorological Society from 1896 until he retired from his post as Assistant Secretary at the end of 1935. He maintained rainfall records at his home at Chelsea from 1907 to 1935 and climatological observations at Farnham until his death in November 1950.

Mr. R. J. Cragghill commenced observing at Cartmel Fell Schoolhouse in 1909 in continuation of a record previously kept at the Vicarage. When he retired and moved to Kendal in 1931 records were continued there until 1947. Rainfall records have now been

maintained at Kendal by various observers certainly back to 1800.

The Rev. Canon H. J. E. Burrell forwarded returns from Balsham Rectory, Cambridge, from 1912 to 1933 and from Trumpington Road, Cambridge, from 1934 to 1948.

Mr. C. G. D. Hoare, M.A., made returns of rainfall from 1914 from Lawrence House, St. Anne's-on-Sea, until he took up residence in Lawrence House, Uckfield, in 1933. After a lapse of a few months, records for Uckfield were received regularly until he died at the end of 1949. The latter record is being continued by the gardener.

Mr. Ferdinand Hudleston, M.Inst.C.E., sent in a complete series of monthly totals for 1916 to 1923 from Hutton John, Penrith, thereafter contributing daily values regularly each year until he died at the beginning of 1951. Of recent years the records were actually made by his son, Mr. N. Hudleston of the River Eden Catchment Board. Mr. F. Hudleston carried out experiments on the exposures of rain-gauges from 1926 to 1932, the complete summary being included in *British Rainfall*, 1933, pp. 274-293, together with a diagram of the turf-wall he introduced. He interested himself in local affairs and wrote a treatise on "The Floods of the Lake District in 1935" published by the River Derwent Catchment Board. It is interesting to know that the rainfall record is still being continued at Hutton John, with its famous Peel-Tower and clipped yews.

Mr. Alban Coore forwarded returns from 1929 to 1949 from Scruton Hall, near Northallerton, in continuation of the record maintained there by his father, the Rev. Alfred T. Coore, since 1903.

2 The Distribution of Rain in Time

THE NUMBER OF RAIN-DAYS AND WET-DAYS IN 1950

To obtain a homogeneous series of statistics the following definitions have been used in *British Rainfall*:

A **rain-day** is a period of 24 hours, commencing normally at 9 a.m., during which $\cdot 01$ in. or 0.2 mm. or more of rain is recorded.

A **wet-day** is a period of 24 hours, commencing normally at 9 a.m., during which $\cdot 04$ in. or 1.0 mm. or more of rain is recorded.

The former definition dates from the year 1865; the latter was adopted about 1917. It must be understood that whenever these terms are used in this publication, the meanings set out above are attached to them.

The satisfactory mapping of the annual numbers of rain-days has always presented difficulties, whereas the numbers of wet-days have proved sufficiently consistent to enable the distribution of these days to be defined. Maps showing the annual distribution of wet-days over the country have been included in *British Rainfall* since 1919. Maps showing the distribution of annual and monthly average numbers of rain-days were published in the *Quarterly Journal of the Royal Meteorological Society*, 1928, pp. 89–101, but similar maps of wet-days have not yet been prepared.

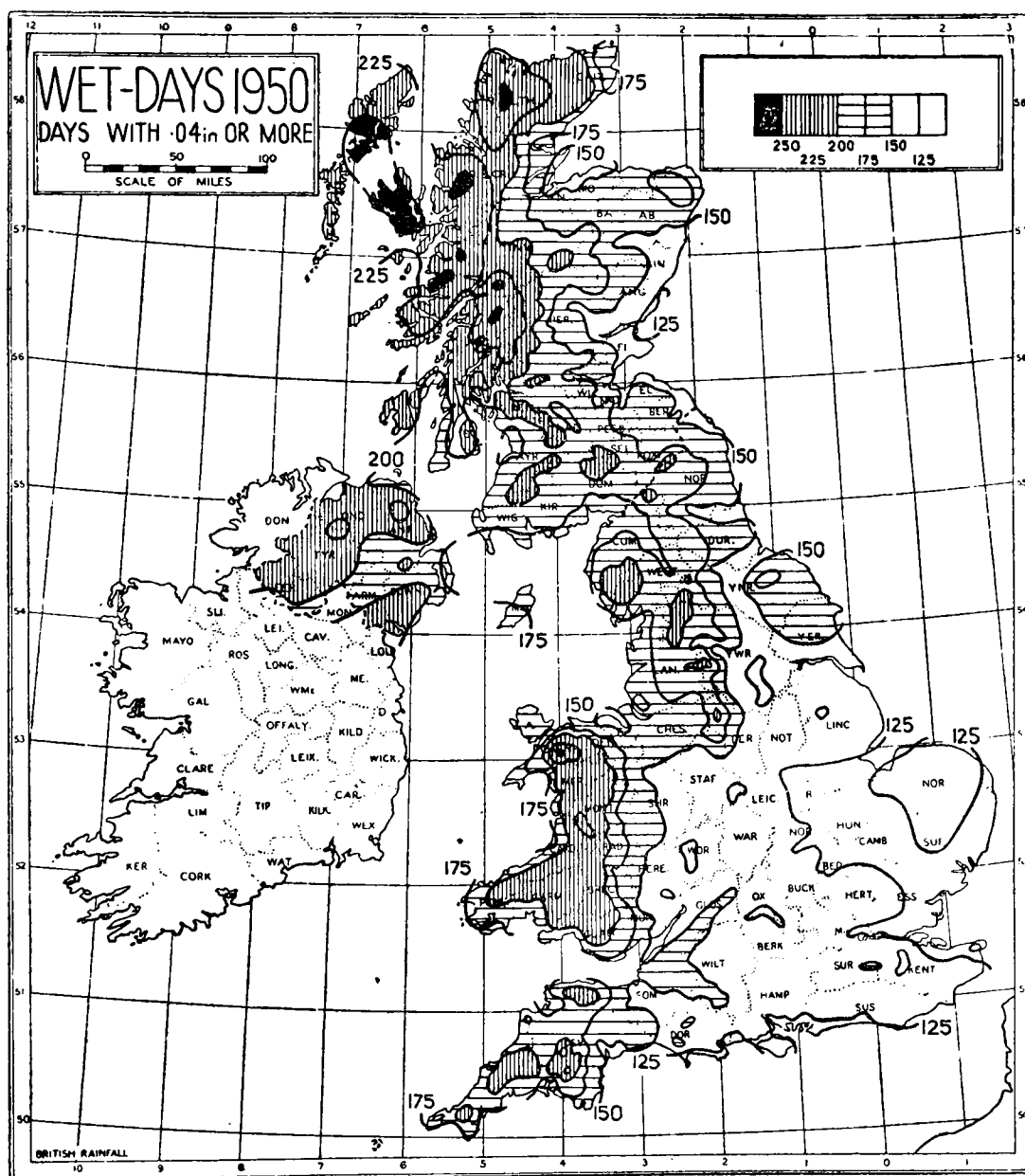
Information as to the number of rain-days and wet-days in 1950 is set out in this volume in various forms. The General Table of rainfall shows the annual numbers of

rain-days and wet-days at stations where daily observations are recorded. The distribution of the number of wet-days is shown on the map reproduced on p. 6.

A comparison of the number of wet-days over England and Wales in each month of 1950 with corresponding figures for the previous 10 years and also with the average values for 30 years (1919–1948) is facilitated by Table 2A.

To study the distribution of rain-days and wet-days throughout the year, 82 stations have been selected to represent as uniformly as possible conditions over Great Britain and Northern Ireland. The same stations have been used in the preparation of Table 3c, Droughts and Dry Spells, and of Table 4c, Rain Spells and Wet Spells. The numbers of rain-days and wet-days recorded at these stations are given in Table 2b. The monthly mean values for England and Wales, Scotland and Northern Ireland are shown in the table. Computed average numbers of rain-days for the period 1881–1915 are also given for England and Wales and for Scotland for purposes of comparison. The monthly rainfall amounts for the 82 stations are included in Table 8c.

The map of the annual number of wet-days in 1950 shows a distribution which, in the main, is similar to that in earlier years. Broadly speaking the number of wet-days



increases from the south-east to the north-west and from the plains of the east coast to the mountainous regions of the west.

The number of wet-days in 1950 over England and Wales as a whole, 149, was 11 more than average. The year ranks with 1935 and 1936 as having the greatest number of wet-days since 1930, which gave 155. Scotland had 188 wet-days, 14 more than the average. This was the greatest number since 1928 apart from 1939 with 189 wet-days.

Northern Ireland's total of 198 wet-days was the greatest since before 1941.

In 1950 there were fewer than 125 wet-days over parts of south-east England from the Wash to the Thames Estuary, along the south coast from Weymouth to Beachy Head, in isolated valleys in the south and Midlands and to the north of St. Andrews. Many mountainous districts in the west, especially over Wales and western Scotland, had more than 200 wet-days. More than 250 wet-days

occurred on the summit of Snowdon and over a number of areas in the north-west of Scotland. Totals at the selected stations ranged from 110 at Lowestoft and 111 at Shoeburyness to 247 at Loch More (Achfary). Over Northern Ireland the range was small, from rather less than 175 wet-days on the coast of County Down to rather more than 225 over the Plateau of Antrim and the Sperrin Mountains.

The number of rain-days over England and Wales as a whole was 196, or 8 more than the average, the most for any year since 1931 with 200. Scotland had 235 rain-days, 18 more than the average. The last year with a greater number was 1924 with 237 rain-days. The range over Great Britain and Northern Ireland at the selected stations was from 152 at Lowestoft to 278 at Stornoway and 280 at Newtownbutler. Areas with fewer than 175 rain-days occurred in south and south-east England, locally in the English Midlands and along the Fife-Angus coast. More than 275 rain-days occurred over much of west and

north-west Scotland and in the Sperrin Mountains of Northern Ireland.

The months with the greatest number of rain-days generally over England and Wales were September and November with 23 and 22 days respectively. In each case 18 days ranked as wet-days. January and June had the fewest rain-days, each with 11. The month of the fewest wet-days was January, a very unusual occurrence. Over Scotland the greatest number of rain-days occurred in September with 26, or 9 more than the average. This month also received the greatest number of wet-days, viz. 23. May had only 12 rain-days, of which 9 were wet-days. Over Northern Ireland July and September each had 27 rain-days, the total for July, August and September being 80 out of the 92 days. Each of these three months and also April received 23 wet-days. At Applecross Gardens in Ross-shire, measureable rain occurred on 50 consecutive days from September 1 to October 20, of which each day, except two, ranked as a wet-day (see Section 4).

Table 2A Monthly General Number of Wet-Days (Days with .04 inch or more) over England and Wales 1940-1950

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1940	8	12	12	12	7	4	15	4	9	13	17	13	126
1941	13	16	11	7	9	5	10	17	4	11	14	9	126
1942	14	5	10	7	13	3	11	14	12	13	7	17	126
1943	20	8	5	8	10	10	9	14	12	12	15	8	131
1944	13	9	4	9	6	11	11	9	13	16	19	12	132
1945	13	13	6	8	13	14	8	10	11	10	5	15	126
1946	12	12	7	8	10	15	10	16	16	6	18	16	146
1947	14	8	20	11	11	11	11	2	9	5	12	12	126
1948	22	10	6	9	9	15	8	14	9	11	9	13	135
1949	9	7	7	9	10	4	6	7	6	15	16	14	110
1950	7	16	8	15	9	8	12	16	18	9	18	13	149
Average*	15	11	10	11	10	9	11	11	11	12	13	14	138

* Average for 30 years, 1919-1948.

BRITISH RAINFALL 1950

Table 2b Number of Rain-days (.01 in. or more) and of Wet-days (.04 in. or more) in 1950

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rain-fall
															in.
ENGLAND AND WALES															
London2	St. Pancras (Camden Square)	8 5	18 16	8 5	18 13	11 8	9 6	17 12	18 13	17 16	6 5	21 18	14 12	165 129	24.68
Kent1	Folkestone (Cherry Garden)	10 8	17 16	11 8	16 12	12 8	6 5	16 15	19 12	19 17	11 6	22 19	17 13	176 139	31.70
"4	Edenbridge (Falconhurst)	13 6	20 16	10 8	16 13	12 8	9 7	17 14	17 12	22 17	4 2	19 14	19 11	178 128	32.64
Sussex3	Worthing (Beach House Park)	7 4	18 15	10 8	16 9	7 4	5 3	17 14	15 13	24 17	8 4	16 14	14 9	157 114	26.95
Hampshire . . .1	Ventnor (Royal Nat. Hosp.)	9 5	17 16	11 7	19 15	10 7	8 5	20 14	17 15	23 21	11 6	20 18	13 8	178 137	32.92
"2	Bournemouth (Vale View)	7 4	18 16	12 8	17 11	8 6	7 6	15 13	17 13	20 14	9 6	16 14	9 7	155 118	31.67
"7	Selborne (The Wakes)	15 5	18 17	12 9	19 13	10 9	7 6	17 17	17 15	22 17	12 7	20 17	18 10	187 142	42.24
Hertford2	Harpenden (Rothamsted)	12 5	21 17	12 8	19 12	10 7	10 5	15 12	17 13	25 19	6 4	23 16	19 11	189 129	30.96
"3	Royston (Therfield Rectory)	9 5	18 15	9 7	19 11	13 11	7 6	18 11	18 13	21 18	6 3	21 17	16 8	175 125	28.93
Oxford3	Oxford (Radcliffe Met. Stn.)	9 5	19 16	13 8	17 13	10 8	9 6	19 14	17 11	23 16	9 4	22 18	17 9	184 128	28.84
Northampton4	Wellingborough (Swanspool)	8 3	17 15	10 5	20 12	13 9	8 7	14 12	16 12	22 16	7 4	23 16	16 12	174 123	26.65
Huntingdon . .1	Whittlesea Mere	8 5	18 12	11 9	15 11	14 11	9 6	16 12	18 8	20 14	11 3	21 18	18 8	179 117	23.23
Essex3	Shoeburyness	11 7	17 11	9 6	17 9	14 9	9 6	16 11	12 9	20 14	6 2	21 17	15 10	167 111	20.74
Suffolk4	Lowestoft (Secondary School)	9 5	16 13	8 3	16 10	10 7	7 7	11 8	15 10	17 14	8 6	23 19	12 8	152 110	23.84
Norfolk3	Hunstanton	11 5	20 14	10 6	13 8	15 11	7 6	13 10	18 14	21 12	11 8	21 17	16 9	176 120	26.10
"4	Thetford Waterworks	13 6	18 14	11 4	17 13	11 9	6 6	16 14	16 11	21 14	15 7	29 21	13 6	186 125	26.17
Devon, S.5	Teignmouth (Den Gardens)	8 7	19 18	12 10	17 8	12 9	8 4	18 15	21 15	18 14	12 9	21 20	18 16	184 145	36.79
Devon, N. . . .1	Ilfracombe (Bowling Green)	13 8	22 18	10 10	17 16	10 8	8 8	17 15	24 19	25 25	18 12	22 19	21 19	207 177	48.68
Cornwall1	Bude (School House)	15 12	22 17	13 9	23 19	12 9	8 8	20 12	22 18	26 22	18 12	23 22	20 19	222 179	42.36
"2	St. Austell (Poltair Public Gdns.)	19 11	24 21	14 12	23 19	12 10	12 8	19 15	23 21	27 23	26 12	24 22	24 23	247 197	58.66
"4	Scilly (Tresco Abbey)	15 7	22 20	13 10	17 10	10 6	14 8	16 15	26 18	24 20	20 14	22 21	25 22	224 171	39.54
Somerset1	Bath (Henrietta Park)	7 2	18 17	10 7	17 11	11 10	11 10	19 14	18 18	25 20	11 10	20 19	12 10	179 148	35.59
"3	Taunton (Vivary Park)	6 4	20 17	10 6	17 12	11 10	8 6	20 14	20 17	24 19	17 10	23 16	16 14	192 145	32.35
Hereford1	Ross-on-Wye	5 3	18 16	12 7	18 10	11 8	9 8	13 8	18 15	21 12	11 8	21 17	19 11	176 123	28.44
Shropshire . . .4	Shifnal (Hatton Grange)	7 5	15 14	12 8	24 18	12 10	9 6	12 11	12 12	18 15	11 8	20 19	18 15	170 141	26.53
Warwick1	Leamington Spa (Pump Rm. Gdns.)	7 3	16 15	12 7	18 15	11 10	9 6	12 10	16 13	19 14	8 6	19 14	16 9	163 122	26.06
Leicester4	Loughborough (Nanpantan Res.)	10 4	15 14	12 8	18 16	12 9	8 7	10 9	18 14	23 11	10 6	23 20	15 10	174 128	26.55
Lincoln3	Horncastle	8 6	20 16	12 7	17 13	15 11	7 3	14 10	19 13	21 14	17 9	26 21	22 13	198 136	30.20
Nottingham . .5	Mansfield (Carr Bank)	7 3	16 15	10 9	16 15	13 9	10 6	12 11	18 16	22 11	13 10	20 18	14 7	171 130	27.56
Cheshire2	Northwich (Hunts Lock)	10 7	14 14	14 9	22 18	9 7	15 13	15 9	20 17	26 19	14 12	22 19	18 15	199 159	35.24
"3	Birkenhead (Bidston Obsv.)	8 5	16 13	12 8	22 19	10 7	16 9	14 12	21 20	24 19	14 11	20 19	21 17	198 159	32.72
Lancs, C.1	Squires Gate Airport	14 8	17 14	12 8	19 13	10 6	13 8	14 13	19 18	24 19	14 11	17 14	20 15	193 147	35.71

Table 2B Number of Rain-days (.01 in. or more) and of Wet-days (.04 in. or more) in 1950 (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rain-fall
ENGLAND AND WALES (continued)															in.
Yorks, W.R. 8	Wakefield (Clarence Park) ...	12 6	18 13	14 6	22 16	15 11	12 7	14 10	20 17	24 16	13 9	24 14	18 11	206 136	27.46
" E.R. 3	Hull (Pearson Park)	11 5	16 14	13 6	18 15	12 10	12 9	15 10	20 16	19 13	14 10	25 20	22 15	197 143	30.91
" N.R. 2	Felixkirk (Mount St. John) ...	11 6	20 14	14 9	21 15	14 9	12 8	14 11	22 18	25 13	14 10	22 16	22 16	211 145	30.58
" N.R. 5	Scarborough	12 8	17 16	13 8	22 17	14 12	14 7	16 9	19 16	17 10	16 9	25 21	21 19	206 152	29.59
Northumb... 3	Newcastle (Leazes Park)	10 6	18 15	8 5	18 11	15 9	9 9	13 12	20 18	19 15	11 9	19 17	17 10	177 136	30.03
" 6	Mindrum	13 9	18 14	13 12	17 16	15 13	15 10	20 15	17 14	22 16	17 13	20 18	15 12	202 162	29.52
Cumberland 1	Geltsdale	14 11	20 15	16 13	22 17	12 11	16 14	18 13	25 23	28 24	17 14	24 21	9 7	221 183	43.69
" 2	Keswick (High Hill)	15 11	21 16	15 11	21 14	11 10	15 14	19 15	24 23	29 27	18 16	20 16	18 11	226 184	65.15
" 3	Ravenglass (The Grove)	13 11	17 15	13 11	20 18	13 10	15 14	17 15	23 21	25 24	19 16	21 19	17 15	213 189	48.56
Glamorgan 6	Treherbert (Tyn-y-waun)	17 15	20 18	12 11	25 24	11 10	15 13	17 16	23 23	27 25	18 17	22 21	22 19	229 212	108.92
Carmarthen 2	Llanddeusant (Pontcrynfe) ...	17 13	23 17	14 11	30 29	13 10	15 10	19 15	23 23	29 25	25 16	25 19	24 17	257 205	64.87
Pembroke 4	Tenby (The Priory)	17 11	21 20	12 10	12 10	12 8	13 10	19 12	25 20	26 21	21 19	21 19	23 18	222 178	51.13
Cardigan... 2	Aberystwyth (P.B.S.)	16 9	21 16	16 7	26 16	12 7	16 9	18 11	26 20	28 19	24 15	23 15	21 16	247 160	49.04
Radnor 1	Birmingham W.W. (Tyrm'dd).	19 13	23 17	14 12	26 25	13 8	14 9	20 13	25 21	29 28	22 17	24 22	26 17	255 202	64.42
Montgomery 5	Lake Vyrnwy	17 12	21 18	15 11	26 25	11 8	15 13	18 16	23 23	29 27	20 15	22 21	24 22	241 211	71.41
Anglesey ...	Holyhead (Valley Airfield) ..	14 9	20 17	12 10	25 19	6 5	14 11	14 12	23 17	23 21	20 16	18 14	19 15	208 166	35.84
England and Wales	Mean of 48 Stations	11 7	19 16	12 8	19 15	12 9	11 8	16 12	19 16	23 18	14 9	22 18	18 13	196 149	..
	Average (1881-1915)	18 ..	15 ..	16 ..	14 ..	14 ..	13 ..	14 ..	16 ..	13 ..	18 ..	18 ..	19 ..	188 ..	..
ISLE OF MAN	Douglas (Borough Cemetery)	16 12	18 15	13 11	22 21	10 7	13 11	16 13	22 20	24 22	21 15	18 14	19 15	212 176	50.83
SCOTLAND															
Wigtown ... 1	Castle Kennedy (Lochinch)	18 14	21 18	14 13	24 20	11 7	12 9	20 16	23 16	26 23	22 19	14 11	19 19	224 185	46.17
Kirkcudb'ght 5	Lochrutton (Dumfries W.W.)	17 13	21 16	16 12	22 15	14 11	13 13	19 17	26 20	28 25	19 14	16 9	11 11	222 176	54.40
Peebles ... 2	Stobo Castle	17 10	21 16	17 9	25 15	14 10	15 12	26 19	23 17	28 25	22 18	24 16	16 13	248 180	42.32
Berwick ... 4	Marchmont House	14 9	20 13	14 8	19 15	14 8	16 7	20 15	18 12	25 17	18 11	21 19	19 13	218 147	31.63
Lanark ... 5	Strathaven (Glengavel Res.) ..	18 16	22 18	18 14	24 18	15 11	16 14	26 18	24 22	29 26	24 19	24 16	16 10	256 202	68.47
Renfrew ... 3	Greenock (Prospect Hill)	20 17	21 18	14 14	21 14	10 9	17 12	24 20	24 21	28 25	25 21	19 16	16 8	239 195	62.35
Stirling ... 1	Falkirk (Arncliffe)	18 14	19 19	13 10	19 15	11 9	14 12	23 20	22 19	22 22	17 14	16 15	13 11	207 180	41.28
Argyll ... 11	Inveraray Castle Gardens	19 19	19 16	15 14	24 18	12 10	16 14	25 24	25 24	29 28	25 22	19 16	13 12	241 217	91.67
" ... 14	Islay (Eallabus)	19 17	22 21	14 12	25 23	11 11	13 10	19 18	24 20	28 28	23 21	20 19	16 15	234 215	60.57
" ... 14	Mull (Gruline)	22 18	21 16	23 16	25 24	11 10	23 22	24 22	27 24	28 28	25 24	21 16	23 20	273 240	95.33

Table 2B Number of Rain-days (.01 in. or more) and of Wet-days (.04 in. or more) in 1950. (concluded)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rain-fall.
															in.
SCOTLAND (continued)															
Argyll 14	Tiree Airport	21 17	20 19	17 13	25 19	14 10	16 12	23 19	23 20	28 26	26 22	16 15	22 17	251 209	56.56
Fife 3	Leuchars Airfield	14 9	14 10	9 8	15 10	10 9	13 8	19 15	18 14	16 12	15 9	17 12	14 9	174 125	27.41
Perth 11	Aberfeldy (Tigh'n Eilean)	19 15	16 14	14 8	15 10	11 5	16 6	22 17	22 14	25 19	17 11	21 17	19 13	217 149	38.78
Aberdeen ... 1	Braemar (Bank)	16 11	16 13	16 11	19 14	12 9	13 12	19 16	22 16	26 19	21 15	17 13	17 11	214 160	36.57
" ... 2	Dyce (Craibstone)	14 9	15 12	16 11	16 11	10 9	13 7	23 18	17 11	17 13	15 12	20 16	25 16	201 145	35.80
" ... 4	Peterhead (Forehill Works) ..	14 11	20 17	17 14	20 16	9 8	15 11	18 15	17 12	19 13	17 10	23 15	25 19	214 161	35.05
Moray 2	Fochabers (Gordon Castle)...	13 9	17 16	18 15	21 14	9 7	14 12	22 19	17 16	23 20	13 7	20 18	18 14	205 167	30.09
Inverness ... 2	Dalwhinnie	18 14	15 13	17 13	18 14	13 9	15 12	26 19	26 18	27 24	20 17	19 16	18 11	232 180	53.06
" ... 6	Loch Ness (Garthbeg)	21 14	18 11	19 13	20 16	16 10	16 13	22 17	25 20	28 25	21 17	27 21	20 13	253 190	47.64
" ... 17	Fort William (Teviot)	21 18	19 17	18 13	26 22	15 11	22 15	25 20	27 26	28 27	24 19	23 16	18 12	266 216	94.38
R' & Cromarty															
3	Fortrose	11 10	12 11	16 11	19 16	10 7	10 9	17 12	15 12	21 18	12 9	20 17	17 13	180 145	26.51
7	Inverbroom (Glackour)	20 17	19 17	26 19	24 21	10 9	19 11	24 17	25 18	29 28	21 20	22 18	20 19	259 214	67.87
"	Applecross Gardens	21 16	20 17	23 21	28 22	12 11	21 15	26 20	28 23	30 28	23 21	21 16	22 21	275 231	69.89
10	Stornoway Airport	22 17	23 18	23 18	27 23	13 9	21 17	25 21	24 19	28 26	23 19	22 20	27 21	278 228	48.36
Sutherland .. 4	Tongue	19 16	23 19	24 18	23 21	13 10	18 13	23 19	22 15	29 26	18 16	23 22	23 20	258 215	52.94
" ... 5	Loch More (Achfary)	18 17	16 16	25 22	28 26	15 11	25 23	20 18	28 25	29 29	22 20	23 22	18 18	267 247	102.68
Cathness ... 2	Wick Airport	18 11	19 13	18 15	23 15	14 4	15 12	18 13	20 13	25 19	16 12	23 15	27 19	236 161	35.33
Scotland	Mean of 27 Stations	18 14	19 16	18 13	22 17	12 9	16 12	22 18	23 18	26 23	20 16	20 17	19 15	235 188	..
	Average (1881-1915)	20 .	18	19 .	16 .	16 .	15 .	18 .	19 .	17 .	19 .	19 .	21 .	217 .	..
NORTHERN IRELAND															
Fermanagh . 1	Newtownbutler (Crom Castle)	18 10	22 19	15 11	29 25	11 7	21 14	29 24	30 21	29 20	27 17	24 10	25 16	280 194	43.57
" ... 1	Belleek (Roscor)	14 12	22 19	13 11	27 24	9 7	18 16	27 25	26 24	28 27	27 21	18 17	19 16	248 219	58.24
Armagh 5	Armagh Observatory	13 10	20 16	12 7	25 23	9 6	16 13	25 19	23 21	24 23	20 18	16 11	21 16	224 183	37.89
Down 4	Donaghadee (Orlock Res.) ...	13 5	20 18	11 9	21 19	9 6	15 8	24 21	22 20	25 20	19 15	16 12	21 17	216 170	32.61
Antrim 5	Ballymena (Harryville)	16 11	22 19	16 10	25 22	12 11	16 13	26 24	29 25	29 24	23 16	19 17	24 20	257 212	51.30
Tyrone 3	Omagh (Edenfel)	15 12	23 19	15 12	26 24	10 7	20 13	28 23	27 25	28 25	25 16	21 17	22 19	260 212	49.90
Northern Ireland	Mean of 6 Stations	15 10	21 18	14 10	25 23	10 7	18 13	27 23	26 23	27 23	23 17	19 14	22 17	247 198	..

3 Absolute Droughts, Partial Droughts and Dry Spells in 1950

The following definitions have been used in *British Rainfall* in order to obtain a homogeneous series of statistics :

An **absolute drought** is a period of at least 15 consecutive days, to none of which is credited $\cdot 01$ in. of rain or more.

A **partial drought** is a period of at least 29 consecutive days, the mean daily rainfall of which does not exceed $\cdot 01$ in.

A **dry spell** is a period of at least 15 consecutive days, to none of which is credited $\cdot 04$ in. of rain or more.

These terms are used in *British Rainfall* only in the senses stated. More concise definitions of two of these terms would be:—An *absolute drought* is a period of at least 15 days, none of which is a rain-day; a *dry spell* is a period of at least 15 days, none of which is a wet-day. The definitions of absolute drought and partial drought were introduced in *British Rainfall*, 1887, while that of dry spell was first used in *British Rainfall*, 1919.

Details are given in Table 3c of the absolute droughts, partial droughts and dry spells which occurred at the 82 selected stations of Table 2b. The monthly totals at these stations are included in Table 8c.

Of the selected stations 24 did not record a drought or a dry spell during the year; four were in England, one in Wales, sixteen in Scotland and three in Northern Ireland. The names of these stations are omitted from Table 3c.

In tables 3A and 3B, the total numbers of droughts and dry spells recorded at the 82 stations in 1950 are compared with those in the seven preceding years. The tables show that in 1950 the total numbers of absolute droughts, partial droughts and dry spells were less than those recorded in 1949 by 34, 74 and 56 respectively.

Absolute droughts were recorded at 22 stations in England, seven in Wales, four in Scotland and none in Northern Ireland, making 33 in all out of the 82 selected stations. The drought between May 26 and June 13 occurred at 30 out of these 33 stations, and was mainly confined to the southern half of England and Wales and east of Scotland. Worthing recorded four droughts during the year. The longest drought was at Leuchars, Fifeshire, lasting 21 days from May 23 to June 12.

The number of partial droughts at the selected stations, 15, was the smallest in any year since 1927 and longer partial droughts were recorded in each year since 1936. No partial droughts were recorded during the year in Northern Ireland, Scotland, Wales or the west of England. Eight stations in the south-east and Midlands of England reported a partial drought between December 19, 1949 and January 29, 1950; Lowestoft had one from February 25 to April 1 and six stations in south-east England between October 1 and November 1. There were therefore no partial droughts during the summer half-year.

Of the 106 dry spells, 20 occurred between December 21, 1949 and January 31, 1950; 16 between February 24 and March 15; two between March 23 and April 8; eight between April 29 and May 18; 49 between May 21 and June 16 and 11 between October 11 and 29. There was therefore none between June 17 and October 10, covering the main holiday

season. The longest dry spell occurred at Wellingborough, lasting 27 days from January 3 to 29, whereas in 1949 the longest dry spell persisted for 55 days from June 5 to July 29 at Edenbridge and Worthing. Each year since 1936 has given a longer dry spell than 27 days. There were five dry spells at both Worthing and Bournemouth.

Table 3A Droughts at 82 Stations, 1943-1950

Year	ABSOLUTE DROUGHTS*				PARTIAL DROUGHTS†			
	Number at 82 Stations	Mean Duration	Longest	Stations without one	Number at 82 Stations	Mean Duration	Longest	Stations without one
		Days	Days			Days	Days	
1943	61	21	41	47	50	48	79	34
1944	25	17	21	62	42	41	66	52
1945	33	19	24	55	58	33	44	41
1946	57	17	25	36	50	34	59	42
1947	114	25	44	3	128	43	103	3
1948	29	17	23	57	44	38	54	44
1949	75	20	37	27	89	38	65	20
1950	41	16	21	49	15	36	42	68

* 15 days without a rain-day

† 29 days averaging not more than .01 inch

Table 3B Dry Spells‡ at 82 Stations, 1943-1950

Year	Number at 82 Stations	Mean Duration	Longest Spell	Number of Stations with			
				None	1 or 2	3 or 4	5 or more
		Days	Days				
1943	129	22	47	28	27	27	0
1944	96	19	37	41	27	9	5
1945	125	20	35	14	52	16	0
1946	132	18	29	10	60	12	0
1947	179	25	53	1	51	30	0
1948	107	19	32	18	55	9	0
1949	162	22	55	12	42	26	2
1950	106	17	27	24	47	9	2

‡ 15 days without a wet-day

Table 3c Droughts and Dry Spells in 1950

County and River Division	Station	Absolute Droughts			Partial Droughts				Dry Spells			
		Began	Ended	Lasted	Began	Ended	Lasted	Rain	Began	Ended	Lasted	Rain
ENGLAND AND WALES				days			days	in.			days	in.
London .....2	St. Pancras (Camden Square)	Feb. 25	Mar. 13	17	19 xii 49	Jan. 29	42	.39	Jan. 6	Jan. 29	24	.04
		..	..	..	..	..	..	..	Feb. 24	Mar. 13	18	.03
		..	..	..	Oct. 1	Oct. 29	29	.26	May 26	Jun. 12	18	.07
Kent. ....1	Folkestone (Cherry Garden)	May 28	Jun. 13	17	..	..	..	..	Oct. 14	Oct. 29	16	.01
„4	Edenbridge (Falconhurst)	Feb. 27	Mar. 13	15	..	..	..	..	Feb. 25	Mar. 13	17	.02
		May 28	Jun. 11	15	..	..	..	..	May 26	Jun. 13	19	.02
Sussex .....3	Worthing (Beach House Park)	21 xii 49	Jan. 4	15	Oct. 1	Nov. 1	32	.24	Feb. 27	Mar. 13	15	.00
		..	..	..	Oct. 21 xii 49	Jan. 29	40	.34	May 28	Jun. 12	16	.03
		Apr. 30	May 18	19	..	..	..	..	Oct. 10	Oct. 29	20	.03
Hampshire ....1	Ventnor (Royal National Hosp.)	May 28	Jun. 13	17	..	..	..	..	21 xii 49	Jan. 5	16	.01
		Oct. 15	Oct. 29	15	..	..	..	..	Oct. 11	Oct. 29	19	.03
		..	..	..	..	..	..	..	21 xii 49	Jan. 14	25	.17
		..	..	..	..	..	..	..	Feb. 25	Mar. 13	17	.06
„2	Bournemouth (Vale View)	Feb. 25	Mar. 13	17	19 xii 49	Jan. 29	42	.40	Oct. 11	Oct. 25	15	.05
		..	..	..	..	..	..	..	21 xii 49	Jan. 4	15	.04
		May 26	Jun. 11	17	..	..	..	..	Feb. 25	Mar. 13	17	.00
„7	Selborne (The Wakes)	May 27	Jun. 12	17	..	..	..	..	Mar. 24	Apr. 8	16	.13
Hertford .....2	Harpden (Rothamsted)	..	..	..	..	..	..	..	Apr. 29	May 18	20	.04
		Oct. 14	Oct. 29	16	Oct. 1	Oct. 29	29	.26	May 26	Jun. 11	17	.00
„3	Royston (Therfield Rectory)	Oct. 14	Oct. 29	16	Oct. 1	Oct. 29	29	.14	Feb. 26	Mar. 13	16	.05
Oxford .....3	Oxford (Radcliffe Met. Stn.)	..	..	..	19 xii 49	Jan. 29	42	.36	May 26	Jun. 12	18	.02
		..	..	..	..	..	..	..	Oct. 14	Oct. 29	16	.00
		..	..	..	..	..	..	..	May 27	Jun. 12	17	.04
		..	..	..	..	..	..	..	Oct. 14	Oct. 29	16	.00
		..	..	..	..	..	..	..	20 xii 49	Jan. 4	16	.10
		..	..	..	..	..	..	..	Feb. 25	Mar. 13	17	.09
		..	..	..	..	..	..	..	Oct. 14	Oct. 29	16	.02

Table 3c Droughts and Dry Spells in 1950 (continued)

County and River Division	Station	Absolute Droughts			Partial Droughts			Dry Spells				
		Began	Ended	Lasted	Began	Ended	Lasted	Rain	Began	Ended	Lasted	Rain
Northampton .4	Wellingborough (Swanspool) ..	..	..	days	20 xii 49	Jan. 28	40	in.	Jan. 3	Jan. 29	27	in.
		May 28	Jun. 11	15	..	..	..	..	Feb. 25	Mar. 13	17	..
		..	..	..	..	..	..	..	May 27	Jun. 11	16	..
		May 27	Jun. 11	16	..	..	..	..	Oct. 15	Oct. 29	15	..
Huntingdon .1	Whittlesea Mere .....	..	..	..	..	..	..	..	Feb. 26	Mar. 13	16	..
		May 28	Jun. 11	15	Oct. 1	Oct. 29	29	..25	May 27	Jun. 12	17	..
		..	..	..	..	..	..	..	Oct. 14	Oct. 29	16	..
		Feb. 25	Mar. 13	17	..	..	..	..	Feb. 24	Mar. 13	18	..
Essex .....3	Shoeburyness	May 28	Jun. 11	15	..	..	..	..	May 28	Jun. 11	15	..
		..	..	..	Oct. 1	Oct. 31	31	..26	Oct. 9	Oct. 28	20	..
		..	..	..	..	..	..	..	Feb. 25	Mar. 13	17	..
		May 28	Jun. 12	16	Feb. 25	Apr. 1	36	..36	May 26	Jun. 12	18	..
Suffolk .....4	Lowestoft (Secondary School) .	May 28	Jun. 12	16	..	..	..	..	May 28	Jun. 12	16	..
		..	..	..	..	..	..	..	Feb. 27	Mar. 13	15	..
		..	..	..	..	..	..	..	May 28	Jun. 12	16	..
		May 28	Jun. 12	16	..	..	..	..	May 28	Jun. 12	16	..
Norfolk.....3	Hunstanton .....	..	..	..	..	..	..	..	..	..	..	..
		May 28	Jun. 12	16	..	..	..	..	..	..	..	..
	
		May 28	Jun. 12	16	..	..	..	..	..	..	..	..
Devon, S.....5	Teignmouth (Den Gardens) ...	..	..	..	..	..	..	..	..	..	..	..
		May 28	Jun. 12	16	..	..	..	..	..	..	..	..
	
		May 28	Jun. 12	16	..	..	..	..	..	..	..	..
Devon, N. ....1	Ilfracombe (Bowling Green) ..	..	..	..	..	..	..	..	..	..	..	..
		May 28	Jun. 13	17	..	..	..	..	..	..	..	..
		May 28	Jun. 11	15	..	..	..	..	..	..	..	..
	
Cornwall.....1	Bude (School House) .....	..	..	..	..	..	..	..	..	..	..	..
		May 28	Jun. 13	17	..	..	..	..	..	..	..	..
		May 28	Jun. 11	15	..	..	..	..	..	..	..	..
	
Somerset .....1	Bath (Henrietta Park) .....	..	..	..	..	..	..	..	..	..	..	..
		May 28	Jun. 13	17	..	..	..	..	..	..	..	..
	
		May 28	Jun. 12	16	..	..	..	..	..	..	..	..
Hereford .....1	Ross-on-Wye .....	..	..	..	..	..	..	..	..	..	..	..
		May 28	Jun. 13	17	19 xii 49	Jan. 29	42	..36	May 28	Jun. 13	17	..
	
		May 28	Jun. 12	16	19 xii 49	Jan. 28	41	..38	May 28	Jun. 12	16	..
Shropshire ....4	Shifnal (Hatton Grange) .....	..	..	..	..	..	..	..	..	..	..	..
		May 28	Jun. 12	16	..	..	..	..	..	..	..	..
	
		May 28	Jun. 12	16	..	..	..	..	..	..	..	..
Warwick .....1	Leamington Spa (Pump Rm. Gdns)	..	..	..	..	..	..	..	..	..	..	..
		May 28	Jun. 12	16	19 xii 49	Jan. 29	42	..41	May 28	Jun. 12	16	..
	
		May 28	Jun. 12	16	..	..	..	..	..	..	..	..

Table 3c Droughts and Dry Spells in 1950 (concluded)

County and River Division	Station	Absolute Droughts			Partial Droughts			Dry Spells		
		Began	Ended	Lasted	Began	Ended	Lasted	Began	Ended	Lasted
				days			days			in.
SCOTLAND	Castle Kennedy (Lochinch)	..	..	..	..	..	..	May 31	Jun. 15	16
	Stobo Castle	..	..	..	..	..	..	May 29	Jun. 12	15
	Marchmont House	May 29	Jun. 12	15	..	..	..	May 28	Jun. 12	16
	Falkirk (Arnotdale)	..	..	..	..	..	..	May 27	Jun. 12	17
	Inveraray Castle Gardens	..	..	..	..	..	..	May 3	May 17	15
	Mull (Gruline)	May 3	May 17	15	..	..	..	May 3	May 17	15
	Leuchars Airfield	May 23	Jun. 12	21	..	..	..	May 23	Jun. 12	21
	Aberfeldy (Tigh'n Eilean)	..	..	..	..	..	..	May 2	May 16	15
	Braemar (Bank)	May 29	Jun. 13	16	..	..	..	May 21	Jun. 13	24
	Fortrose	..	..	..	..	..	..	May 28	Jun. 14	18
	Wick Airport	..	..	..	..	..	..	May 28	Jun. 13	17
NORTHERN IRELAND	Newtownbutler (Crom Castle)	..	..	..	..	..	..	Apr. 29	May 15	17
	Donaghadee (Orlock Res.)	..	..	..	..	..	..	May 2	May 16	15
	Omagh (Edenfel)	..	..	..	..	..	..	May 30	Jun. 13	15
		..	..	..	..	..	..	May 2	May 16	15
		..	..	..	..	..	..	May 30	Jun. 13	15

4 Rain Spells and Wet Spells in 1950

The definitions of the terms "rain spell" and "wet spell" as used in this section, are analogous to those of the terms "absolute drought" and "dry spell" which are used in the previous section. Thus:

A rain spell is a period of at least 15 consecutive days to each of which is credited .01 inch of rain or more.

A wet spell is a period of at least 15 consecutive days to each of which is credited .04 inch of rain or more.

In other words, a *rain spell* contains at least 15 consecutive rain-days and a *wet spell* contains at least 15 consecutive wet-days.

Table 4c contains particulars of all rain spells and wet spells during 1950 which were reported from the 82 selected stations of Table 2b. Stations from which no rain spells or wet spells were reported are omitted from this table. The number of stations omitted is 34, of which 25 are in England, 8 in Scotland and 1 in Northern Ireland.

The dates of commencement of rain spells and wet spells which began in December 1949 are given in the form "27. xii. 49" to distinguish them from spells occurring in December 1950. Only one of these was of sufficient duration in 1949 to qualify for inclusion in Table 4c for that year, viz. that at Falkirk.*

In 1950 the total number of rain spells at the selected stations was 140 and of these 38 ranked as or included wet spells.

The longest rain spell, 50 days with 17.63 inches of rain, was recorded at Applecross Gardens from September 1 to October 20.

Rain spells of shorter duration but of greater intensity occurred elsewhere during the same period. At Mull (Gruline) the 15 days September 10 to 24 gave 9.16 inches of rain, a mean daily fall of .61 inch, while the same daily mean occurred over the 40 days September 12 to October 21 at Loch More (Achfary) with a total rainfall of 24.33 inches, a particularly outstanding value for such a long period.

Of the 139 rain spells no less than 68 occurred between July 4 and October 22 and 35 of them were reported between September 1 and October 22 from parts of Cornwall, Cumberland, Wales and Northern Ireland, the Isle of Man and the western half of Scotland. This was the most intense and widespread rain spell of the year. That of July 4 to August 5 was confined to central and north-west Scotland, and that from August 4 to September 8 occurred in isolated parts of south-west England, Wales, Scotland and Northern Ireland. A rain spell between January 28 and February 15 occurred in the south-west of England and Wales and the neighbourhood of London.

June was the only month during which no rain spells were anywhere recorded. None occurred during the whole year over much of central, northern and southern England, eastern Scotland and in Co. Down.

Of the 38 wet spells recorded during 1950, 20 occurred between September 6 and October 19. All the wet spells were confined to western districts of Great Britain and parts of Northern Ireland. The longest was at Loch More (Achfary) with a total rainfall of 24.17

* The precise procedure adopted in the allocation of rain spells or wet spells which cover parts of two years is set out in the footnote on p. 25, *British Rainfall 1926*.

inches during the 38 days September 12 to October 19.

A comparison of the statistics of rain spells

and wet spells recorded in 1950 with those for the years 1943–1949 is given in Tables 4A and 4B.

Table 4A Rain Spells* at 82 stations, 1943–1950

Year	No. of rain spells	DURATION OF SPELLS				STATIONS WITH			
		Mean		Longest		None	1 or 2	3 or 4	5 or more
		Days	Mean rain per day	Days	Mean rain per day				
1943 ..	98	22	in. .27	42	in. .28	42	26	9	5
1944 ..	95	21	.26	67	.19	35	35	10	2
1945 ..	86	19	.26	40	.24	35	37	9	1
1946 ..	134	21	.28	42	.18	22	42	15	3
1947 ..	82	20	.26	34	.20	26	48	8	0
1948 ..	107	21	.30	54	.37	37	29	10	6
1949 ..	109	22	.30	41	.44	48	14	14	6
1950 ..	139	21	.30	50	.35	35	23	12	12

* At least .01 inch each day for 15 days or more

Table 4B Wet Spells† at 82 stations, 1943–1950

Year	No. of wet spells	DURATION OF SPELLS				STATIONS WITH			
		Mean		Longest		None	1 or 2	3 or 4	5 or more
		Days	Mean rain per day	Days	Mean rain per day				
1943 ..	15	21	in. .37	26	in. .63	71	10	1	0
1944 ..	21	18	.63	25	.49	66	16	0	0
1945 ..	22	16	.35	20	.41	65	17	0	0
1946 ..	42	19	.38	37	.40	57	22	3	0
1947 ..	21	17	.35	25	.25	64	18	0	0
1948 ..	28	19	.38	31	.28	63	17	2	0
1949 ..	32	20	.40	34	.54	68	10	2	2
1950 ..	38	19	.41	38	.64	61	15	6	0

† At least .04 inch each day for 15 days or more

Table 4C Rain Spells and Wet Spells in 1950

County and River Division	Station	Rain Spells*				Wet Spellst				Max. in a Day during Rain Spells	
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date	Rain
ENGLAND											
London2	St. Pancras (Camden Square) . .	Jan. 30	Feb. 14	16	3.48	..	..	..	in.	Jan. 31	.56
Kent4	Edenbridge (Falconhurst)	Jan. 30	Feb. 15	17	5.98	..	..	..	..	Feb. 2	1.21
Hertford2	Harpenden (Rothamsted)	Jan. 30	Feb. 15	17	4.06	..	..	..	..	Feb. 2	.74
Norfolk4	Thetford Waterworks	Oct. 28	Nov. 12	16	2.18	..	..	..	..	Nov. 10	.63
Devon, S.5	Teignmouth (Den Gardens)	Nov. 14	Dec. 1	18	2.99	..	..	..	..	Nov. 20	.98
Devon, N.1	Ilfracombe (Bowling Green)	Nov. 9	Nov. 23	15	4.06	..	..	..	..	Nov. 20	1.21
		Jan. 29	Feb. 14	17	6.10	..	..	..	..	Feb. 5	1.17
		Aug. 14	Aug. 30	17	5.26	..	..	..	..	Aug. 28	.89
Cornwall1	Bude (School House)	Nov. 8	Nov. 24	17	5.23	..	..	..	..	Nov. 20	1.06
		Jan. 29	Feb. 12	15	3.73	..	..	..	..	Feb. 5	.61
		Nov. 8	Nov. 24	17	5.84	..	..	..	..	Nov. 20	1.05
		Jan. 28	Feb. 14	18	6.95	Jan. 28	Feb. 14	18	6.95	Feb. 4	1.00
		Sep. 13	Oct. 2	20	4.47	..	..	..	..	Sep. 25	.75
		Nov. 8	Nov. 25	18	7.10	Nov. 8	Nov. 22	15	7.00	Nov. 20	1.26
		Nov. 27	Dec. 21	25	7.36	Nov. 27	Dec. 18	22	6.27	Dec. 20	.98
		Jan. 28	Feb. 14	18	5.05	..	..	..	..	Feb. 4	.85
		Aug. 14	Sep. 4	22	4.00	..	..	..	..	Aug. 19	.73
		Nov. 8	Nov. 24	17	4.41	Nov. 8	Nov. 24	17	4.41	Nov. 12	.78
		Nov. 30	Dec. 22	23	3.92	..	..	..	..	Nov. 30	.54
		Nov. 8	Nov. 22	15	4.28	..	..	..	..	Nov. 20	1.52
		Jan. 30	Feb. 14	16	4.03	..	..	..	..	Feb. 2	1.12
		Nov. 8	Nov. 24	17	4.73	..	..	..	..	Nov. 20	1.47
		Nov. 8	Nov. 22	15	3.73	..	..	..	..	Nov. 20	1.39
		Nov. 27	Dec. 14	18	2.43	..	..	..	..	Nov. 27	.31
		Oct. 27	Nov. 13	18	1.78	..	..	..	..	Nov. 11	.36
		Sep. 10	Sep. 25	16	3.57	Sep. 10	Sep. 25	16	3.57	Sep. 20	.44
		Aug. 14	Aug. 28	15	5.22	..	..	..	..	Aug. 15	.74
		Sep. 10	Oct. 16	37	16.60	Sep. 10	Sep. 25	16	9.76	Sep. 16	1.48

RAIN SPELLS AND WET SPELLS

* At least 15 days, each credited with .01 inch or more

† At least 15 days, each credited with .04 inch or more

Table 4C Rain Spells and Wet Spells in 1950 (continued)

County and River Division	Station	Rain Spells*				Wet Spell†			Max. in a Day during Rain Spells	
		Began	Ended	Lastest	Total Rain	Began	Ended	Lastest	Total Rain	Date
WALES				days	in.			days	in.	in.
Glamorgan ..6	Treherbert (Tyn-y-waun)	Sep. 6	Sep. 21	16	8.66	..	..	..	..	Sep. 6
		Nov. 7	Nov. 22	16	7.77	Nov. 8	Nov. 22	15	7.75	Nov. 8
		Dec. 6	Dec. 20	15	3.63	..	..	..	..	Dec. 9
Carmarthen ..2	Llanddeusant (Pontcrynfe)	Jan. 29	Feb. 15	18	7.74	..	..	..	..	Feb. 12
		Apr. 1	May 2	32	5.00	Apr. 7	May 2	26	4.53	Apr. 29
		Aug. 14	Aug. 30	17	6.01	Aug. 14	Aug. 30	17	6.01	Aug. 20
		Sep. 1	Sep. 21	21	6.88	..	..	..	..	Sep. 6
		Sep. 23	Oct. 10	18	5.09	..	..	..	..	Sep. 23
		Nov. 7	Nov. 24	18	4.67	..	..	..	..	Nov. 18
Pembroke ...4	Tenby (The Priory)	Nov. 27	Dec. 22	26	6.21	..	..	..	..	Nov. 27
		Aug. 14	Aug. 30	17	5.82	..	..	..	..	Aug. 16
		Nov. 8	Nov. 23	16	4.30	..	..	..	..	Nov. 11
Cardigan ....2	Aberystwyth (P.B.S.)	Dec. 6	Dec. 21	16	2.71	..	..	..	..	Dec. 9
		Jan. 29	Feb. 15	18	3.51	..	..	..	..	Feb. 12
		Aug. 14	Sep. 21	39	10.13	..	..	..	..	Sep. 6
Radnor .....1	Birmingham W. W. (Tyrmynydd)	31.xii.49	Jan. 16	17	2.58	..	..	..	..	Jan. 2
		Jan. 29	Feb. 20	23	10.18	..	..	..	..	Feb. 9
		Aug. 14	Sep. 4	22	6.98	..	..	..	..	Aug. 17
		Sep. 6	Oct. 10	35	11.17	Sep. 6	Sep. 25	20	8.08	Sep. 14
		Nov. 8	Nov. 24	17	5.81	Nov. 8	Nov. 23	16	5.79	Nov. 13
		Nov. 27	Dec. 20	24	6.00	..	..	..	..	Nov. 27
Montgomery .5	Lake Vyrnwy	Sep. 1	Sep. 25	25	10.53	..	..	..	..	Sep. 6
		Nov. 27	Dec. 19	23	5.80	..	..	..	..	Nov. 27
Anglesey	Holyhead (Valley Airfield)	Aug. 14	Aug. 30	17	3.34	..	..	..	..	Aug. 28
ISLE OF MAN	Douglas (Borough Cemetery).....	Sep. 19	Oct. 6	18	6.38	..	..	..	..	Sep. 25

* At least 15 days, each credited with .01 inch or more

† At least 15 days, each credited with .04 inch or more

Table 4c Rain Spells and Wet Spells in 1950 (continued)

County and River Division	Station	Rain Spells*				Wet Spellst				Max. in a Day during Rain Spells	
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date	Rain
SCOTLAND											
Wigtown .....1 Kirkcudbright 5	Castle Kennedy (Lochinch)	Sep. 10	Oct. 13	34	8·38	..	..	days	in.	Sep. 10	in.
	Lochrutton (Dumfries W.W.) ...	Aug. 22	Sep. 8	18	6·08	..	..	..	..	Sep. 6	1·17
Peebles .....2	Stobo Castle	Sep. 10	Sep. 25	16	6·23	..	..	..	..	Sep. 10	2·40
		Sep. 27	Oct. 14	18	3·26	..	..	..	..	Sep. 10	·94
		25.xii.49	Jan. 8	15	3·48	..	..	..	..	Oct. 5	·61
		Jul. 9	Jul. 26	18	2·91	..	..	..	..	25.xii.49	1·39
Lanark .....5	Strathaven (Glengavel Res.)	Aug. 14	Aug. 28	15	3·00	..	..	..	..	Jul. 13	·68
		Sep. 10	Oct. 11	32	7·51	Sep. 21	Oct. 10	20	4·41	Aug. 24	·78
		31.xii.49	Jan. 16	17	4·49	..	..	..	..	Sep. 25	1·30
		Jul. 7	Jul. 24	18	5·75	..	..	..	..	Jan. 6	1·15
Renfrew .....3	Greenock (Prospect Hill)	Sep. 16	Oct. 22	37	13·98	Sep. 27	Oct. 11	15	5·45	Jul. 19	·96
		31.xii.49	Jan. 16	17	4·87	..	..	..	..	Sep. 17	2·70
Stirling .....1 Argyll .....11	Falkirk (Arnotdale)	Sep. 10	Oct. 19	40	14·16	Sep. 10	Sep. 24	15	6·10	Jan. 5	1·08
		11.xii.49	Jan. 12	33	7·09	Sep. 26	Oct. 18	23	8·03	Oct. 16	1·40
"14	Inveraray Castle Gardens	30.xii.49	Jan. 15	17	7·70	30.xii.49	Jan. 15	17	7·70	..	·72
		Jul. 7	Aug. 1	26	8·70	..	..	..	..	Jan. 6	1·65
"14	Islay (Eallabus)	Aug. 4	Aug. 20	17	5·34	..	..	..	..	Jul. 8	1·43
		Sep. 10	Oct. 19	40	22·99	Sep. 16	Oct. 1	16	9·00	Aug. 5	·96
"14	Mull (Gruline)	Feb. 7	Feb. 24	18	4·49	Sep. 16	Oct. 19	17	10·03	Sep. 17	1·85
		Sep. 9	Sep. 24	16	7·20	Oct. 3	Oct. 19	17	10·03	..	·60
"14	Tiree Airport	30.xii.49	Jan. 19	21	6·73	Sep. 9	Sep. 24	16	7·20	Feb. 17	1·28
		Feb. 6	Feb. 21	16	6·29	..	..	..	..	Jan. 5	1·30
"14	Dalwhinnie.....	Aug. 8	Aug. 27	20	10·36	..	..	..	..	Feb. 7	1·05
		Sep. 10	Sep. 24	15	9·16	Aug. 8	Aug. 27	20	10·36	Aug. 9	1·00
"14	Dalwhinnie.....	Sep. 26	Oct. 19	24	10·59	Sep. 10	Sep. 24	15	9·16	Sep. 16	1·87
		Nov. 27	Dec. 13	17	3·98	Sep. 26	Oct. 19	24	10·59	Oct. 9	1·33
"14	Dalwhinnie.....	Sep. 10	Sep. 24	15	4·83	..	..	..	..	Dec. 9	·78
		Sep. 26	Oct. 14	19	5·18	..	..	..	..	Sep. 16	1·82
"14	Dalwhinnie.....	Nov. 28	Dec. 13	16	3·03	..	..	..	..	Oct. 9	1·03
		Jul. 8	Jul. 22	15	3·59	..	..	..	..	Dec. 13	·91
Inverness ....2	Dalwhinnie.....	Aug. 14	Aug. 28	15	3·12	..	..	..	..	Jul. 15	·76
		Sep. 16	Oct. 16	31	9·02	..	..	..	..	Aug. 20	·69
"14	Dalwhinnie.....	Sep. 16	Oct. 16	31	9·02	..	..	..	..	Sep. 16	1·43
		Sep. 16	Oct. 16	31	9·02	..	..	..	..	Sep. 16	1·43

* At least 15 days, each credited with ·01 inch or more

† At least 15 days, each credited with ·04 inch or more

BRITISH RAINFALL 1950

Table 4c Rain Spells and Wet Spells in 1950 (continued)

County and River Division	Station	Rain Spells*				Wet Spellst				Max. in a Day during Rain Spells			
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date	Rain		
SCOTLAND (continued)	Inverness ....6	Sep. 3	Sep. 26	24	6.80	..	..	..	..	Sep. 24	in.
		Sep. 28	Oct. 18	21	4.54	..	..	..	..	Oct. 9	.86
		31.xii.49	Jan. 16	17	9.42	31.xii.49	Jan. 16	17	9.42	Jan. 6	2.47		
		Jul. 7	Aug. 2	27	8.16	.. 7	..	22	7.02	Jul. 17	2.10		
	"17	Aug. 7	Aug. 28	22	7.02	Aug. 10	Aug. 28	15	8.57	Aug. 10	.87		
		Sep. 10	Oct. 19	40	21.51	Sep. 26	Sep. 24	24	12.92	Sep. 14	2.89		
		Nov. 25	Dec. 11	17	4.02	..	..	..	..	Nov. 30	..72
		Jan. 2	Jan. 16	15	5.88	..	..	..	..	Jan. 5	1.40
	Ross and Cromarty	Inverbroom (Glackour)	Mar. 30	Apr. 13	15	6.71	..	..	..	Apr. 1	1.47
			Aug. 16	Aug. 30	15	2.89	.. 27	Oct. 19	23	8.70	Aug. 24	.74	
"9	Applecross Gardens	Sep. 12	Oct. 19	38	16.68	Sep. 27	Oct. 19	23	8.70	Sep. 18	2.18		
		Nov. 28	Dec. 19	22	6.82	..	..	..	..	Dec. 6	.90
		31.xii.49	Jan. 18	19	4.91	..	..	..	..	Jan. 5	1.25
		Feb. 6	Feb. 21	16	4.87	..	..	..	..	Feb. 16	1.35
		Mar. 28	Apr. 13	17	4.05	..	..	..	..	Apr. 11	.64
		Jul. 11	Aug. 2	23	4.32	..	..	..	..	Apr. 7	.82
		Aug. 7	Aug. 30	24	6.15	..	..	..	..	Jul. 26	1.06
		Sep. 1	Oct. 20	50	17.63	..	..	15	6.15	Aug. 27	1.01
		"10	Stornoway Airport	Nov. 28	Dec. 20	23	7.77	Sep. 12	Sep. 26	22	7.30	Sep. 6	..
				31.xii.49	Jan. 18	19	3.27	Sep. 28	Oct. 19	23	7.77	Dec. 13	.69
Mar. 28	Apr. 13			17	3.29	..	..	..	..	Jan. 15	.39
Aug. 8	Aug. 27			20	2.66	..	..	..	..	Apr. 1	.52
Sutherland ...4	Tongue	Sep. 24	Oct. 19	26	5.33	.. 27	Oct. 14	18	4.18	Aug. 11	.34		
		Nov. 28	Dec. 21	24	7.04	..	..	..	..	Oct. 16	.60
		Jan. 1	Jan. 16	16	5.57	..	..	..	..	Dec. 21	.78
		Feb. 5	Feb. 25	21	3.64	..	..	..	..	Dec. 13	..
		Mar. 8	Mar. 22	15	1.73	..	..	..	Jan. 5	1.57	
		Sep. 12	Oct. 4	23	7.79	..	..	..	Feb. 16	.67	
		Nov. 28	Dec. 12	15	4.35	..	..	..	Mar. 22	.43	
						..	..	..	Sep. 18	1.03	
						..	..	..	Nov. 28	1.09	

* At least 15 days, each credited with .01 inch or more

† At least 15 days, each credited with .04 inch or more

Table 4c Rain Spells and Wet Spells in 1950 (concluded)

County and River Division	Station	Rain Spells*				Wet Spells†				Max. in a Day during Rain Spells	
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date	Rain
SCOTLAND (continued) Sutherland ...5	Loch More (Achfary)	Jan. 3	Jan. 17	15	in.	Jan. 3	Jan. 17	15	in.	Jan. 6	1.33
		Mar. 29	Apr. 13	16	8.35	..	..	..	..	Apr. 1	1.90
		Aug. 7	Aug. 29	23	4.76	..	..	..	..	Aug. 16	.53
		Sep. 12	Oct. 21	40	24.33	Sep. 12	Oct. 19	39	24.17	Sep. 18	2.05
		Nov. 28	Dec. 13	16	7.42	Nov. 28	Dec. 13	16	7.42	Sep. 22	1.82
Caithness ...2	Wick Airport	Nov. 30	Dec. 16	17	4.11	..	..	..	..	Dec. 6	.63
										Dec. 3	
NORTHERN IRELAND	Newtownbutler (Crom Castle) ...	Apr. 1	Apr. 18	18	2.94	..	..	..	..	Apr. 1	.50
		Jul. 4	Aug. 5	33	5.53	..	..	..	..	Jul. 12	.86
		Aug. 7	Sep. 8	33	6.71	..	..	..	..	Sep. 6	1.38
		Sep. 10	Oct. 14	35	6.30	..	..	..	..	Sep. 10	.79
		Dec. 6	Dec. 24	19	2.21	..	..	..	..	Dec. 13	.39
" .1	Belleek (Roscor)	Apr. 1	Apr. 17	17	3.19	..	..	..	..	Apr. 9	.51
		Aug. 6	Aug. 20	15	5.54	..	..	..	..	Aug. 17	1.49
		Sep. 16	Oct. 17	32	8.97	Sep. 16	Oct. 2	17	6.76	Sep. 16	1.15
		Jul. 10	Jul. 24	15	3.89	..	..	..	..	Jul. 19	.74
		Jul. 7	Jul. 24	18	6.14	Jul. 7	Jul. 21	15	5.97	Jul. 13	1.26
Armagh.....5 Antrim .....5	Armagh Observatory Ballymena (Harryville)	Aug. 4	Aug. 20	17	3.74	Aug. 4	Aug. 20	17	3.74	Aug. 17	.62
		Aug. 22	Sep. 8	18	4.09	..	..	..	..	Sep. 6	1.51
		Sep. 10	Oct. 3	24	6.78	..	..	..	..	Sep. 10	1.51
		Nov. 27	Dec. 22	26	3.92	..	..	..	..	Dec. 1	.35
		Feb. 6	Feb. 21	16	2.68	..	..	..	..	Feb. 10	.53
Tyrone .....3	Omagh (Edenfel)	Jul. 6	Jul. 23	18	4.74	..	..	..	..	Jul. 12	.95
		Aug. 4	Aug. 20	17	3.70	Aug. 6	Aug. 20	15	3.54	Aug. 17	.72
		Sep. 10	Sep. 24	15	5.54	..	..	..	..	Sep. 10	1.45
		Sep. 26	Oct. 13	18	3.14	..	..	..	..	Sep. 26	.58
		Nov. 27	Dec. 20	24	4.74	..	..	..	..	Dec. 11	.48

* At least 15 days, each credited with .01 inch or more

† At least 15 days, each credited with .04 inch or more

5 Duration of Rainfall in 1950

The duration of rainfall is obtained by measurement of the records of autographic gauges. On these records the amount of rain is measured vertically and the duration of the rainfall is measured horizontally, using scales which are printed upon the charts. The pen of an autographic gauge writes a horizontal line on the record during the time that no rain is falling, and a sloping line whenever rain is passing into the receiver of the gauge. The inclination of the slope to the horizontal varies with the intensity of the rain.

The duration of rainfall discussed in this section is defined as the length of time during which rain is falling at a rate of not less than 0.1 mm. per hour, *i.e.* .004 in. per hour. The tabulations at all the official stations are made according to this convention, which was first brought into use in *British Rainfall* 1920. The convention was adopted because, during very light rainfall, it was found to be almost impossible to define the exact point on the record where the change occurred from "no rain" to "rain". By taking a definite limiting slope of the trace as the criterion the difficulty is avoided to a great extent and it is found possible to obtain measurements from different gauges and from different observers which are comparable amongst themselves. The limit 0.1 mm. (.004 in.) per hour is low enough to ensure that no fall of practical importance is excluded.

Table 5A gives the monthly and annual totals of duration of rainfall at 145 stations. Other records of duration are received but the published list gives a good representation over the country. At 93 of the stations

rainfall records were obtained from a tilting siphon rainfall recorder.

For the purpose of Table 5A, the month commences at 9 a.m. G.M.T. on the first day of the month and ends at the same hour on the first day of the following month.

Values of the average monthly and annual duration 1931–1940 at 50 stations and the corresponding mean rates of rainfall at 14 well distributed stations were given in *British Rainfall* 1948, pp. 30–31.

The records for 1950 show a large rainfall duration in keeping with the generally wet conditions. Of those stations included in Table 5A, four in Wales, six in Scotland and one in Ireland registered a duration of more than 1,000 hours, the largest total being that of 1,663 hours at Loch Sloy Power Station. At Cwm Dyli, Snowdon, the year's rainfall was 143 inches, 30 inches more than at Loch Sloy, but because the rainfall was heavier the duration was only 1,395 hours. At Fort William, with 94 inches, the duration was 1,479 hours, more than at any other station except Loch Sloy. At none of the stations in the Table was the year's total duration less than 300 hours, the lowest value being 340 hours at Chelmsford, where the year's rainfall was only 20.21 inches. Only three other stations, Ilford, Ipswich and Cannock, reported less than 400 hours.

At most stations in England the month with the greatest duration was November; at stations in Yorkshire it was generally February, while in Cumberland, Wales, Scotland and Northern Ireland September gave the greatest duration. There were 243 hours at Loch Sloy

in September and 213, 202 and 201 at Fort William, Glen Cannich and Cwm Dyli respectively.

In most parts of the southern half of England the month with the smallest duration was October, many stations in the south-east having less than 10 hours with rain. January had the least duration around Wiltshire and Herefordshire, with only 8 hours at Ross-on-Wye; March had least in Durham; May had least around Cheshire, over much of Wales, Southern Scotland and Northern Ireland; and June at a few stations, e.g., in Kent, Cornwall and Nottinghamshire.

Table 5B sets out the mean monthly and annual values of rate of rainfall at 15 stations chosen to show broadly the variation in rates throughout the country. The values are obtained by dividing the total fall for the month or the year by the duration given in Table 5A. The mean rates for the year at the 15 stations vary from .073 in. per hour at

Swansea to .045 in. at Loughborough. The highest monthly mean rate was .141 in. per hour at Mildenhall in July, when 5.57 inches of rain fell in 30.4 hours, including 1.44 inch in a storm lasting 3.3 hours on the night of the 9th to 10th (see Section 6); the lowest was .022 in. per hour at Mildenhall in both January and March.

For the year the wetter stations give the larger rate of rainfall. For the months this variation is not so well marked. the rate depending more on the type of rainfall, since instability rains may give a rate of several inches an hour. The six stations of Table 5B with a rainfall of 31 inches or less give a mean rate of .054 inch an hour, whereas the corresponding figure is .060 for the nine stations with 35 inches or more. The mean rates reported for 1950 were about .003 inch an hour more than the averages 1931-40, illustrating that the rainfall of 1950 was on the whole slightly heavier than usual.

Table 5A Duration of Rainfall at 145 Stations during 1950 (Monthly and Annual values)

County and River Division	Station	Pattern of Gauge	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
London	Kensington Palace	Nat. Siphon	80	26	62	15	42	22	21	31	34	47	10	96	35	441
"	St. Pancras (Camden Square)	Tilt. Siphon	111	33	77	13	50	26	24	32	31	60	10	84	38	478
Surrey	Lingfield (Sewage Works)	Tilt. Siphon	155	29	85	27	42	22	14	37	26	52	7	93	50	484
"	Caterham (Alderstead Heath)	Tilt. Siphon	577	40	89	38	51	22	21	46	27	64	9	108	41	556
"	Croydon Airport	Tilt. Siphon	201	25	89	37	68	32	31	51	27	73	14	113	49	609
"	Beddington Park	Tilt. Siphon	108	15	77	26	48	25	18	30	18	48	8	94	41	448
"	Dorking (Pixham Lane S.W.)	Nat. Siphon	138	20	84	36	44	23	17	40	33	54	11	110	47	519
"	Epsom (Ruxley Lane S.W.)	Hyetograph	76	18	68	25	48	22	19	31	24	45	8	86	38	432
"	Weybridge (Wayland S.W.)	Tilt. Siphon	50	19	69	17	42	29	20	41	31	46	8	83	47	452
"	Kingston (Canbury Gardens)	Nat. Siphon	23	20	66	17	35	25	19	35	28	47	9	83	37	421
"	Kew Observatory	Tilt. Siphon	20	21	66	20	43	27	20	31	28	47	9	73	40	425
"	Shooterhill (Sewage Works)	Tilt. Siphon	383	16	88	35	47	22	15	58	52	75	15	117	57	597
Kent	Rye (Royal Air Force Stn.)	Tilt. Siphon	15	29	84	28	43	22	11	32	34	48	15	108	70	524
"	Folkestone (The Leas)	Tilt. Siphon	128	68	96	25	47	29	12	42	29	50	23	100	76	597
"	Lymington Airport	Tilt. Siphon	342	57	101	30	40	23	15	41	34	62	22	111	81	617
"	Manston Airfield	Tilt. Siphon	155	60	76	19	33	28	18	28	21	39	14	102	72	510
"	West Malling Airfield	Tilt. Siphon	304	40	82	24	41	28	16	39	20	51	8	82	47	478
"	Strood (Waterworks)	Nat. Siphon	112	65	104	34	38	33	19	58	29	46	14	102	49	591
"	Bexley Heath (Danson Park)	Hyetograph	166	34	83	21	50	41	24	51	26	77	10	109	58	584
"	Tangmere Airfield	Tilt. Siphon	53	45	99	34	47	17	14	44	38	65	11	96	55	565
Sussex	Worthing (Beach House Park)	Tilt. Siphon	25	36	49	35	35	13	9	35	30	58	9	97	51	457
"	Polegate (Winfield Farm)	Nat. Siphon	35	19	66	25	32	15	9	31	29	70	25	103	52	477
Hampshire	Calshot	Tilt. Siphon	12	23	75	41	39	19	24	41	45	65	20	95	48	535
"	South Farnborough (R.A.E.)	Tilt. Siphon	226	25	81	27	52	29	18	55	43	51	8	100	44	533
Berkshire	Maidenhead (Sewage Works)	Hyetograph	81	15	69	17	52	27	22	40	35	57	7	78	33	452
"	Reading (Caversham Lock)	Tilt. Siphon	124	13	68	18	50	36	21	55	50	67	10	90	53	531
"	Abingdon Airfield	Tilt. Siphon	212	13	87	22	45	46	26	54	45	67	14	88	31	538
Middlesex	Isleworth (Mogden Works)	Tilt. Siphon	33	21	72	21	42	27	19	35	31	48	7	72	27	422
"	Feltham (London Airport)	Tilt. Siphon	81	18	66	16	45	29	23	34	26	49	8	71	42	428
"	Wembley (Town Hall)	Hyetograph	187	21	75	12	46	29	17	43	31	55	9	73	35	446
Hertford	North Mimms (Pumping Stn.)	Tilt. Siphon	256	25	72	19	45	24	22	46	31	58	9	76	33	460
"	Harpenden (Rothamsted)	Nat. Siphon	420	44	103	27	61	38	23	47	40	68	11	104	48	614
"	Knebworth Park	Tilt. Siphon	379	56	111	26	56	57	24	58	44	77	12	114	45	680
"	Eton (Tangier Island)	Nat. Siphon	69	21	71	17	57	32	31	43	37	64	11	80	39	503
Buckingham	Slough (Baylis House)	Tilt. Siphon	90	23	70	16	46	23	23	42	35	42	9	74	20	423

Table 5A Duration of Rainfall at 145 Stations during 1950 (Monthly and Annual values)—(continued)

County and River Division	Station	Pattern of Gauge	H't. above Sea	DURATION OF RAINFALL												Dec.	Year
				Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	hrs.		
Northampton 4	Peterborough (Sewage P.S.) ...	Nat. Siphon	ft. 9	hrs. 43	hrs. 66	hrs. 15	hrs. 49	hrs. 35	hrs. 22	hrs. 47	hrs. 29	hrs. 66	hrs. 14	hrs. 94	hrs. 530		
Bedford 3	Cranfield Airfield	Tilt. Siphon	350	35	81	24	53	45	23	50	44	74	13	104	39	585	
Essex 1	Leyton (Sewage Works)	Hyetograph	22	32	82	25	59	30	27	36	43	70	14	98	42	558	
" 2	Ilford (Valentines Park)	N. & Z. Float	45	21	54	9	37	26	20	22	19	44	7	66	35	360	
" 4	Chelmsford (Sandford Mill) ...	Hyetograph	69	23	48	12	30	22	15	19	15	44	4	67	41	340	
Suffolk 2	Ipswich (Belstead Hall)	Nat. Siphon	125	37	56	16	31	21	20	24	19	49	10	65	34	382	
" 3	Felixstowe	Tilt. Siphon	11	49	54	16	37	21	19	34	21	40	12	66	45	414	
" 5	Mildenhall Airfield	Tilt. Siphon	16	49	74	19	46	43	23	39	26	50	14	90	47	520	
Norfolk 1	West Raynham Airfield	Tilt. Siphon	250	36	85	19	54	42	31	51	29	68	16	101	61	593	
" 2	Horsham St. Faith Airfield	Tilt. Siphon	100	42	70	21	50	49	27	39	24	98	25	83	55	583	
Wiltshire 3	Porton (C.D.E.E.)	Tilt. Siphon	364	9	68	24	45	27	18	49	47	63	19	100	36	505	
" 3	Boscombe Down Airfield	Tilt. Siphon	418	10	77	27	51	20	14	52	51	67	24	118	39	552	
Dorset 3	Poole	Hyetograph	18	34	80	35	44	23	23	54	46	64	19	86	42	550	
Devon, S. 2	Plymouth (Mount Batten)	Tilt. Siphon	90	52	134	46	37	37	19	54	71	91	40	124	89	794	
" 6	Exeter Airport	Tilt. Siphon	102	15	68	23	31	31	20	49	53	52	25	39	80	586	
Devon, N. 2	Chivenor	Tilt. Siphon	22	24	89	27	42	22	27	37	71	95	33	105	82	654	
Cornwall 1	St. Eval Airfield	Tilt. Siphon	337	55	111	38	51	41	24	46	72	99	46	108	77	768	
Somerset 3	Bridgwater (Northmoor P. S.) .	Tilt. Siphon	23	10	79	23	36	30	16	37	38	44	24	93	38	468	
Gloucester 3	Cheltenham (Montpellier Gdns.)	N. & Z. Float	216	12	100	19	51	43	40	48	72	82	33	116	58	674	
" 5	Horfield	Hyetograph	248	12	92	29	34	30	27	49	74	63	22	97	32	561	
" 7	Cirencester (Baunton W. W.) .	Hyetograph	397	14	89	34	44	37	22	37	47	81	37	132	63	637	
" 7	Little Rissington Airfield	Tilt. Siphon	740	13	110	37	52	46	29	48	53	79	11	118	47	643	
Hereford 1	Ross-on-Wye	Hyetograph	224	8	75	24	30	31	15	33	39	46	19	81	28	429	
Shropshire 4	Shawbury Airfield	Tilt. Siphon	237	16	95	21	55	22	25	27	51	67	25	76	63	543	
Stafford 3	Cannock (Longford Road S.W.)	Hyetograph	400	16	35	15	30	14	16	16	30	61	15	92	52	392	
Worcester 3	Defford Airfield	Tilt. Siphon	59	13	80	18	39	36	27	39	51	65	21	95	38	522	
Warwick 4	Elmdon (Birmingham Airport).	Tilt. Siphon	324	24	90	27	45	40	27	36	55	68	21	91	44	568	
" 4	Birmingham (Handsworth Park)	Hyetograph	424	20	58	19	33	28	18	38	47	59	15	75	29	439	
Leicester 4	Longborough (Nanpantan Res.)	Hyetograph	269	34	99	31	61	43	16	34	44	61	21	103	41	588	
Lincoln 3	Cranwell Airfield	Tilt. Siphon	206	44	102	24	56	43	29	39	25	78	20	96	65	621	
" 3	Waddington Airfield	Tilt. Siphon	234	43	92	22	56	32	27	55	32	69	20	111	56	615	
Nottingham 5	Nottingham (Sneinton P.S.) ...	Fernley	83	27	72	17	50	29	14	27	29	37	10	72	29	413	
" 5	Watnall	Tilt. Siphon	368	30	106	32	61	38	21	31	38	57	24	91	55	584	
" 5	Sutton-in-Ashfield (Sew. Wks.)	Hyetograph	457	34	119	29	70	43	25	45	51	69	29	127	68	709	

Table 5A Duration of Rainfall at 145 Stations during 1950 (Monthly and Annual values)—(continued)

Country and River Division	Station	Pattern of Gauge	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
Derby6	Burbage (Lower Burbage)	Hyetograph	924	43	102	22	69	34	16	33	51	78	20	110	55	633
Cheshire1	Langley (Trentabank Res.)	Tilt. Siphon	854	57	89	40	66	18	42	37	58	85	36	105	75	708
"1	Prestbury (Sewage Works)	Tilt. Siphon	320	42	70	29	53	14	23	26	50	71	30	74	63	545
"1	Appleton Reservoir	Tilt. Siphon	120	35	74	23	43	18	25	33	53	66	30	66	61	527
"1	Ringway (Manchester Airport)	Tilt. Siphon	230	55	79	43	74	37	36	44	70	92	45	116	77	768
"1	Sale (Carrington Lane)	Tilt. Siphon	72	43	67	22	52	25	26	33	53	63	38	78	63	563
Lancs, S.2	Speke (Liverpool Airport)	Tilt. Siphon	82	35	83	29	69	19	32	39	54	83	42	90	79	654
"2	Liverpool (Monument Place)	Nat. Siphon	129	37	80	26	62	18	27	34	58	73	38	86	74	613
"3	Bolton (Queens Park)	Fernley	342	102	100	42	65	28	43	34	78	97	37	82	101	809
Lancs, C.1	Squires Gate Airport	Tilt. Siphon	34	68	94	42	59	17	39	52	78	98	38	72	74	731
"1	Colne (Judge Fields)	Tilt. Siphon	560	71	93	51	69	42	51	58	80	115	63	104	54	851
"3	Southport (Hesketh Park)	Fernley	38	39	70	26	44	11	25	39	70	84	35	70	64	577
Lancs, N.1	Barrow-in-Furness (Sew. Wks.)	Nat. Siphon	24	51	110	43	66	30	48	55	80	131	63	109	73	859
Yorks, W.R. 6	Finningley Airfield	Tilt. Siphon	31	28	75	21	64	48	25	35	49	57	17	83	42	544
" 7	Langsett Reservoir	Nat. Siphon	820	53	110	33	69	56	18	27	48	75	27	110	56	682
" 9	Leeds (Roundhay Park)	Tilt. Siphon	427	41	93	24	65	44	16	35	57	60	23	90	51	599
" 9	Earby (Sewage Works)	Hyetograph	426	51	95	32	57	30	40	33	67	85	51	84	64	689
" 10	Church Fenton Airfield	Tilt. Siphon	29	42	90	27	66	41	10	25	52	54	25	69	42	543
Yorks, E.R. 3	Driffeld Airfield	Tilt. Siphon	71	43	93	31	79	45	18	30	58	70	24	83	79	653
Yorks, N.R. 2	Thirsk (Topcliffe Airfield)	Tilt. Siphon	81	31	93	23	39	23	20	33	50	51	19	71	43	496
" 2	Felixkirk (Mount St. John)	Halliwell	542	41	73	22	54	21	28	44	58	60	29	81	56	567
" 2	Leeming Airfield	Tilt. Siphon	105	48	100	23	54	26	27	34	61	53	23	85	42	576
" 6	Middlesbrough (South Bank)	Nat. Siphon	43	38	84	18	62	39	30	48	59	50	32	103	51	614
Durham1	Darlington (Waterworks)	Tilt. Siphon	161	44	67	18	49	24	28	41	69	58	28	84	51	561
"1	Billingham-on-Tees	Nat. Siphon	62	43	56	13	33	25	21	46	47	41	19	82	36	462
Northumb.5	Acklington Airfield	Tilt. Siphon	138	50	88	20	51	34	39	67	65	73	27	115	54	683
Cumberland 1	Silloth Airfield	Tilt. Siphon	27	79	81	61	77	36	61	56	73	100	34	52	39	749
" 2	Keswick (High Hill)	Tilt. Siphon	254	79	106	60	72	40	64	58	123	161	83	106	47	999
" 3	St. Bees Head Lighthouse	Nat. Siphon	400	60	85	59	67	18	39	79	68	100	39	60	46	720
Glamorgan1	Felindre (Upper Lliw Res.)	Hyetograph	599	57	115	58	85	31	65	104	128	131	67	112	62	1015
"3	Swansea (Victoria Park)	Hyetograph	28	22	102	34	50	28	23	57	86	116	45	84	53	700
"7	Cardiff (Penylan)	Nat. Siphon	202	26	111	38	47	26	31	57	79	90	28	94	46	673
Pembroke4	Pembroke Dock	Tilt. Siphon	27	50	122	64	44	27	28	42	81	130	89	107	77	861
Cardigan2	Aberporth	Tilt. Siphon	378	29	101	40	54	25	33	35	73	123	67	102	93	775

Table 5A Duration of Rainfall at 145 Stations during 1950 (Monthly and Annual values)—(continued)

County and River Division	Station	Pattern of Gauge	H't. above Sea	DURATION OF RAINFALL												Dec.	Year
				Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	hrs.		
Brecon4	Taf Fechan (Pontsticill)	Tilt. Siphon	1031	hrs. 115	hrs. 196	hrs. 95	hrs. 109	hrs. 41	hrs. 79	hrs. 92	hrs. 148	hrs. 167	hrs. 68	hrs. 137	hrs. 107	hrs. 1354	
"7	Swansea W.W. (Cray Res.)	Tilt. Siphon	1044	75	139	86	103	49	60	94	125	147	75	144	114	1211	
Montgomery .5	Lake Vyrnwy (Experimental Stn.)	Tilt. Siphon	995	45	141	54	72	20	27	53	89	135	58	86	89	869	
Flint1	Hawarden Airfield	Tilt. Siphon	17	13	108	26	65	26	20	34	39	61	26	85	74	577	
Denbigh1	Wrexham (Grove Park School)	Hyetograph	277	16	94	20	57	18	16	29	46	74	39	81	63	553	
Caernarvon .5	Snowdon (Cwm Dyli)	Beckley	310	115	156	97	125	31	100	90	143	201	93	116	128	1395	
Anglesey	Holyhead (Salt Island)	Tilt. Siphon	28	43	103	60	68	20	41	43	86	121	75	71	90	821	
Isle of Man	Ronaldsway Airport	Tilt. Siphon	55	32	86	47	70	17	24	44	59	100	54	63	74	670	
Wigtown3	Stoneykirk (West Freugh)	Tilt. Siphon	52	61	51	59	79	25	57	63	72	149	78	59	67	820	
Kirkcudbright 3	Dalry (Glenlee)	Hyetograph	181	52	55	55	105	44	71	105	93	146	69	75	72	942	
Dumfries5	Eskdalemuir Observatory	Tilt. Siphon	794	129	140	113	143	48	107	110	117	197	94	109	74	1381	
Berwick3	Swinton House	Hyetograph	200	37	63	30	45	35	43	36	33	79	32	103	68	604	
Midlothian5	Boghall	Hyetograph	639	39	73	42	57	58	36	48	44	94	46	80	43	660	
"5	Turnhouse Airport	Hyetograph	116	45	76	39	49	57	55	60	47	104	49	79	47	707	
Lanark4	Crawford (Camps Reservoir)	Hyetograph	967	47	67	74	63	22	40	75	77	132	56	69	25	747	
Ayr3	Prestwick Airport	Nat. Siphon	30	64	87	55	59	25	47	69	81	128	60	65	40	780	
Renfrew2	Renfrew (Glasgow Airport)	Tilt. Siphon	29	73	101	51	53	18	39	66	69	121	57	54	27	729	
"3	Greenock (Prospect Hill)	Hyetograph	199	91	98	72	58	25	48	74	76	115	82	59	33	831	
Dunbarton3	Loch Sloy (Power Station)	Tilt. Siphon	99	155	166	139	132	45	88	180	129	243	191	100	95	1663	
Argyll2	Ardnamurchan Lighthouse	Tilt. Siphon	79	64	69	65	72	27	67	130	66	114	81	67	64	886	
"14	Tiree Airport	Tilt. Siphon	29	99	105	72	80	37	60	103	76	137	123	75	81	1048	
Fife1	Dunfermline	Tilt. Siphon	237	43	54	37	41	28	35	56	47	85	35	51	45	557	
"3	Leuchars Airfield	Tilt. Siphon	33	59	61	78	37	50	41	53	46	71	39	72	39	626	
Perth8	Perth (Craigie Haugh)	Hyetograph	18	47	50	33	29	35	19	36	33	71	22	45	23	443	
Kincardine1	Fettercairn (Glensaugh)	Tilt. Siphon	560	47	57	69	84	61	40	64	50	87	36	56	70	721	
Aberdeen1	Balmoral Castle Gardens	Nat. Siphon	927	61	49	54	63	36	22	60	43	112	22	84	70	676	
"2	Dyce (Aberdeen Airport)	Tilt. Siphon	187	55	53	43	36	38	29	57	32	89	31	65	57	585	
"4	Rattray Head	Tilt. Siphon	85	72	63	69	44	32	37	53	27	106	41	83	67	694	
"4	Lossiemouth	Tilt. Siphon	22	37	33	41	37	24	35	31	33	79	21	72	38	481	
Moray4	Dalcross Airfield	Tilt. Siphon	35	50	52	29	76	54	36	44	44	80	34	81	39	619	
Inverness5	Glen Cannich (Mullardoch Dam)	Tilt. Siphon	674	125	97	96	130	60	75	63	81	202	127	121	121	1298	
"10	Fort William (Teviot)	Hyetograph	35	144	147	97	146	58	107	123	106	213	164	107	67	1479	
"17	Skye (Glenbrittle)	Tilt. Siphon	30	119	93	99	88	31	94	113	104	178	131	119	100	1269	
"18	Benbecula Airport	Tilt. Siphon	16	101	73	82	66	20	41	82	68	129	97	49	82	890	
"19																	

Table 5A Duration of Rainfall at 145 Stations during 1950 (Monthly and Annual values)—(concluded)

County and River Division	Station	Pattern of Gauge	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Ross & Crom. 10	Stornoway Airport	Tilt. Siphon	ft. 15	hrs. 73	hrs. 52	hrs. 80	hrs. 70	hrs. 18	hrs. 50	hrs. 70	hrs. 49	hrs. 121	hrs. 71	hrs. 84	hrs. 97	hrs. 835
Caitness. 2	Wick Airport	Tilt. Siphon	121	82	45	56	55	22	46	49	33	66	27	68	99	648
Orkney	Grimsetter Airport	Tilt. Siphon	85	127	86	67	66	34	87	55	43	97	58	77	86	883
Shetland	Lerwick Observatory	Tilt. Siphon	269	81	93	77	47	32	69	66	47	84	93	75	69	833
Fermanagh. 1	Castle Archdale Airfield	Tilt. Siphon	225	78	115	51	110	31	40	100	84	147	66	82	117	1021
Armagh. 5	Armagh Observatory	Beckley	209	46	63	20	51	12	34	43	47	70	52	48	53	539
Antrim. 5	Aldergrove Airfield	Tilt. Siphon	220	39	84	28	75	21	45	66	60	86	49	56	75	684
Londonderry 5	Ballykelly Airfield	Tilt. Siphon	10	80	98	43	91	58	54	82	93	125	89	69	99	981

Table 5B Mean Rate of Rainfall at 15 Stations during 1950 (Monthly and Annual values)

County and River Division	Station	Rain-fall 1950	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
London. 2	St. Pancras (Camden Square)	in. 24.68	ins. per hr. .031	ins. per hr. .043	ins. per hr. .040	ins. per hr. .042	ins. per hr. .055	ins. per hr. .056	ins. per hr. .099	ins. per hr. .083	ins. per hr. .041	ins. per hr. .041	ins. per hr. .056	ins. per hr. .042	ins. per hr. .052
Suffolk. 5	Mildenhall Airfield	26.02	.022	.043	.022	.034	.058	.058	.141	.085	.049	.044	.044	.027	.050
Wiltshire. 3	Porton (C.D.E.E.)	34.77	.065	.080	.051	.063	.081	.055	.089	.090	.062	.056	.060	.052	.069
Cornwall. 1	St. Eval Airfield	46.18	.031	.070	.049	.047	.066	.059	.078	.096	.060	.041	.058	.049	.060
Hereford. 1	Ross-on-Wye	28.44	.037	.073	.065	.061	.052	.105	.083	.092	.057	.043	.061	.051	.066
Leicester. 4	Loughborough (Nanpantan Res.)	26.55	.024	.047	.036	.041	.046	.086	.069	.062	.041	.047	.041	.033	.045
Yorkshire, N.R. 2	Felixkirk (Mount St. John)	30.58	.037	.044	.046	.036	.052	.070	.077	.077	.056	.038	.056	.055	.054
Glamorgan. 3	Swansea (Victoria Park)	51.35	.060	.067	.059	.056	.071	.083	.071	.087	.074	.085	.079	.072	.073
Denbigh. 1	Wrexham (Grove Park School)	31.26	.039	.054	.074	.055	.045	.065	.064	.089	.060	.059	.050	.037	.057
Dumfries. 5	Eskdalemuir Observatory	69.88	.037	.046	.061	.043	.047	.049	.054	.070	.062	.049	.044	.034	.051
Argyll. 14	Tiree Airport	56.56	.038	.049	.047	.043	.034	.049	.067	.064	.067	.056	.062	.051	.054
Aberdeen. 2	Dyce (Aberdeen Airport)	35.34	.046	.065	.067	.050	.037	.057	.073	.093	.067	.064	.055	.054	.060
Ross and Cromarty. 10	Stornoway Airport	48.36	.049	.074	.043	.070	.055	.052	.045	.073	.058	.062	.051	.069	.058
Shetland	Lerwick Observatory	48.53	.052	.055	.044	.057	.044	.058	.052	.092	.067	.066	.066	.047	.058
Antrim. 5	Aldergrove Airfield	37.55	.032	.033	.047	.049	.058	.053	.092	.067	.069	.056	.041	.052	.055

6 Heavy Falls in Short Periods in 1950

Heavy falls of rain in short periods are of considerable economic importance, for they are frequently of such intensity as to cause extensive flooding, often accompanied by much surface erosion and structural damage to property. Considerable damage may occur as a result of the accumulation of flood water below the area of heaviest rainfall. The amount of the damage depends on a number of factors, such as the shape of the catchment area, the nature of the ground, whether the water finally flows into the river or sea at high or low tide and the relative positions of the towns. In towns the floods may be aggravated by failure of the drainage system to cope with the demands made upon it. The information given in this section

supplements that in Section 7, Heavy Falls on Rainfall Days, which deals with falls of longer duration causing often more widespread flooding.

The table below, 6A, indicates the classification used since January 1st, 1936, and described in full in an article in Part IV of *British Rainfall*, 1935. The diagram showing the full classification was printed in the volumes for 1935-1938.

A list of falls of "very rare" intensity lasting for *one hour or less* which were recorded between 1873 and 1938 was published in *British Rainfall* 1938. Comparable data for the years 1939 onwards have been included in the post-war volumes of *British Rainfall*. There was only one such fall in 1950.

Table 6A Lower Limits of Intense Rainfalls

Time	Noteworthy			Remarkable			Very Rare		
	Amount		Rate	Amount		Rate	Amount		Rate
mins.	in.	mm.	in./hr.	in.	mm.	in./hr.	in.	mm.	in./hr.
5 or less	·43	10·9	5·16	·68	17·3	8·16	1·06	26·8	12·72
10 " "	·54	13·8	3·24	·85	21·6	5·10	1·31	33·2	7·86
20 " "	·68	17·3	2·04	1·06	26·8	3·18	1·61	40·9	4·83
30 " "	·77	19·7	1·54	1·19	30·3	2·38	1·82	46·2	3·64
40 " "	·85	21·6	1·27	1·30	33·2	1·95	1·98	50·3	2·97
50 " "	·91	23·2	1·09	1·40	35·6	1·68	2·12	53·8	2·55
60 " "	·97	24·5	·97	1·48	37·6	1·48	2·24	56·8	2·24
70 " "	1·01	25·7	·87	1·55	39·4	1·33	2·34	59·5	2·01
80 " "	1·05	26·8	·79	1·61	40·9	1·21	2·44	61·9	1·83
90 " "	1·09	27·8	·73	1·67	42·4	1·11	2·52	64·0	1·68
100 " "	1·13	28·8	·68	1·72	43·8	1·03	2·60	66·0	1·56
110 " "	1·16	29·6	·63	1·77	45·0	·97	2·67	67·8	1·46
120 " "	1·19	30·4	·59	1·82	46·2	·91	2·73	69·4	1·37

This occurred at Ipsden, to the north of Goring-on-Thames, on the afternoon of May 21, when 1.65 inch of rain fell in 20 minutes.

Table 6c gives particulars of falls recorded in 1950 which reached at least the intensity "noteworthy". In each case the entry gives the largest amount recorded with a mean intensity "noteworthy", "remarkable" or "very rare", an entry at the highest rate being in general preferred. Entries are credited to the calendar day rather than the "rainfall day" and times quoted are G.M.T.

storm, causing local flooding. The station at Blackwood reported 1.60 inch for this day.

The 12 entries in Table 6c for May 21 were confined to Gloucestershire, Wiltshire, Oxfordshire, Buckinghamshire, Bedfordshire, and Huntingdonshire. On this day tornadoes developed near the northern edge of the Chiltern Hills and travelled towards the Wash. Altogether three tornadoes left trails of damage. The bulk of the damage, estimated at over £50,000, occurred between Wendover and Ely. Details are given in an article on

Table 6B Number of Noteworthy Rains of Two Hours' Duration or less.

		England and Wales					Scotland	Northern Ireland	Total
		S.E.	S.W.	N.E.	N.W.	Total			
1950	(a)	14	2	2	1	19	1	0	20
	(b)	5	3	4	3	15	0	0	15
	Total . . .	19	5	6	4	34	1	0	35
Mean 1925-1949 . . .		26	14	7	5	52	4	1	57

(a) Observations made without autographic rain-gauges.

(b) Readings of autographic gauges.

The geographical distribution of the heavy falls of Table 6c is given in Table 6B above.

Of the 35 "noteworthy" falls, 6 were in north-east England and 19 in the south-east. There was only one in Scotland and none in Northern Ireland. These figures do not indicate the actual relative frequencies of intense falls in the respective districts as the number of observers per unit of area is much greater in the south of England than elsewhere. Of the 35 entries in Table 6c, 13 occurred in August, 12 in May and 6 in July. The greatest number of entries for any one day is 12 on May 21.

No falls of sufficient intensity to qualify for inclusion in Table 6c were reported in the first four months of 1950.

A freak storm was reported by the *Western Mail* in the Blackwood, Argoed and Oakdale districts, to the north of Cardiff, when for nearly two hours on May 7 there was torrential rain, snow and hailstones during a thunder-

"Tornadoes of May 21, 1950" in the *Meteorological Magazine*, Vol. 79, 1950, pp 245-256, including a rainfall map of May 21. This rainfall map shows two belts of heavy rain corresponding with the tracks of the two main tornadoes. The cooling produced by the heavy rain along the path of the thunderstorm undoubtedly influenced the development of the tornado with which it was associated.

At Ipsden the hailstones were about half-an-inch in diameter and they remained for almost 24 hours where they had drifted into heaps. Potatoes were washed out of the drills and stacked bales of straw floated away on the local flood water. At Benson, further north, the Meteorological Officer reported that the hailstones there were mainly half-an-inch in diameter and that the hailstones on Ewelme Downs gave the appearance of complete snow cover. A similar fall was experienced in Watlington (5 miles to the north-east) with a

time lag of half an hour, and streets normally well above flood level were covered to car-axle depth. There was no indication of a tornado at Benson. At Huntingdon a house was struck by lightning and much flooding occurred. Near Kimbolton, to the west of Huntingdon, an eight-year old girl was drowned when a converted jeep was swept away. Mr. C. J. Kilby, rainfall observer at Hockliffe, near Leighton Buzzard, who recorded 1.75 inch in 60 minutes, wrote "the first warning I had was the fusing of all the electric lights in my house and village street. My house door was blown in and the floor covered with huge hailstones. Then there was absolute darkness."

Although thunderstorms were reported on a number of days in *June* the only entries in Table 6c are for the 2nd at Hampton-on-Thames and for the 7th at Dudley. Thunderstorms occurred widely over the south-east of England on the 2nd. A man was killed at Kempton Park races when torrential rain and hail occurred towards the end of the meeting. At Dudley, where 1.75 inch fell in 46 minutes on the 7th, the storm was very local, places around the whole perimeter of Dudley within two miles reporting no rain for that afternoon and evening. On the same day another local storm at Enfield caused structural damage to houses, with local flooding. On the 13th a thunderstorm caused flooding at Cleobury Mortimer, near Kidderminster, and another killed livestock near Burnham Market and disorganised the electricity supply near Fakenham.

Thunderstorms occurred frequently during *July*, being recorded in some part of the country on most days of the month. There are five entries in Table 6c for the night of the 9th-10th in Suffolk and Norfolk. The *Norfolk News* of July 14 regarded the worst hit area as lying between Thetford and Norwich where hail occurred with considerable damage to animals, birds and crops. At Illington 3,000 ducks were reported killed. At Wolterton Park, to the north of Aylsham, 2.83 inches was recorded for the day and Lord

Walpole was of the opinion that the bulk of this fell in just over one hour. He reported that 40 yards of a sunken wall were swept away, many cottages and farm houses in the district flooded, and mangolds and sugar beet were washed out of the ground. Another record of two inches in just over an hour, which has not been included in Table 6c because of the estimation involved, came from Mr. J. H. Willis of Ipswich Road, Norwich. Mr. Willis commented on the lurid crimson sunset with intense and widespread colouring preceding the storm, the sudden roar of the violent deluge of rain which commenced about 23h. on the 9th and the intensity of the lightning, described by many as terrifying. The bulk of the rain was in the early part of the storm although the rain was audible for about an hour. The City Engineer, Norwich, reports 1.46 inch in 55 minutes of which .82 inch fell in 11 minutes. At West Raynham, Fakenham, the rain fell at a more steady rate, 1.4 inch in just over 4 hours.

The entries for *August 7* are for stations in Essex and Yorkshire. At Tolleshunt D'Arcy, to the north-east of Maldon, Mr. H. Campkin of Oxley Hill also reported .77 inch for the day, most of which fell in 30 minutes after 13h. 30m. in a sudden thunderstorm from the west. Entries are included for Hessle, to the west of Kingston-upon-Hull, and Leeds, but severe thunderstorms were also reported from Bradford, Pudsey, Wombwell and Mexborough.

The Waterworks Engineer, Preston, reported that the intense rain at Langdon Brook on the 20th produced no damage, but the more intense rain of the 22nd was destructive. Heavy concrete coping blocks weighing at least 2 cwt. each were stripped from the main flood weir over a length of 30 yards and carried 50 yards downstream. The peak flow in the first storm was 270 cubic feet per second and 465 cubic feet per second in the second storm from an area of 3,800 acres. Intense falls were also reported on the 22nd from Ulverston and from Hexham, damage being widespread over Northumberland. Mr. E. Satterthwaite, Ulverston, commented on the steadily increasing

blackness of the sky, which gave ample warning of the approach of the thunderstorm. The rain was accompanied by a good deal of sheet lightning.

Entries for the 28th are included for Blackpool, Little Rissington, South Farnborough, and Slough. The thunderstorm rains in the Blackpool district followed a week with several heavy storms and resulted in the flooding of a number of basements. The worst storm for many years broke over Aldershot and district on the morning of the

28th and flooded roads, paths and cellars. The rain fell so heavily that within a few minutes storm sewers were overflowing and manhole covers lifted. At the height of the storm at Slough two houses were struck by lightning and badly damaged.

The only entry for *September* is that of 1·38 inch in two hours on Snowdon on the 24th due to steady rain. This was the most intense portion of the total fall which lasted for 16 hours and measured 3·89 inches for the whole day.

Table 6c Heavy Falls in Short Periods in 1950

County and River Division	Station	Date	Amount	Began at	Duration	Rate per Hour
	(a) EYE OBSERVATIONS		in.	h. m.	min.	in.
Oxford .....4	Ipsden (Hailey)	May 21	1·63	15 40	20	4·89†
Yorks, E. R. ...3	Hessle (Sandford)	Aug. 7	·96	16 05	20	2·88
Ayr .....3	Galston (Cessnock Road)	Jul. 14	1·36	11 30	30	2·72*
Huntingdon ..1	Great Gransden	May 21	1·10	18 00	30	2·20
Buckingham ..2	Tring (Bulbourne)	May 21	·97	17 00	30	1·94
Northumberland3	Hexham Reservoir	Aug. 22	·82	15 10	30	1·64
Oxford .....4	Benson Airfield	May 21	1·48	16 14	36	2·46*
Huntingdon ..1	Ramsey (Biggin Lane)	May 21	1·13	18 00	40	1·69
Oxford .....4	Ipsden (The Vicarage)	May 21	1·94	16 00	45	2·58*
Huntingdon ..1	Brampton School	May 21	1·03	18 15	45	1·37
Huntingdon ..1	Hemingford Grey	May 21	·95	18 00	45	1·27
Worcester ....2	Dudley (Bluecoat Senior School) ..	Jun. 7	1·75	16 00	46	2·06*
Essex .....4	Tolleshunt D'Arcy (D'Arcy Hall) .	Aug. 7	1·14	13 20	50	1·37
Lancashire, N. 2	Ulverston (Park Road)	Aug. 22	1·04	12 32	56	1·11
Bedford .....3	Hockliffe (Lyndhurst).....	May 21	1·75	17 00	60	1·75*
Wiltshire .....6	Swindon (Osborne Street)	May 21	1·26	15 00	60	1·26
Middlesex ....1	Hampton Waterworks	Jun. 2	2·33	15 45	72	1·94*
Norfolk .....2	Sprowston	Jul. 10	1·83	01 30	75	1·46*
Middlesex ....1	Hampton (Refuse Disposal Works)	Jun. 2	2·28	15 45	90	1·52*
Norfolk .....1	East Dereham (Laboratory)	Jul. 9	1·67	23 30	120	·83
	(b) AUTOGRAPHIC RECORDS					
Gloucester ...7	Little Rissington Airfield	May 21	·59	16 10	10	3·54
Buckingham ..3	Slough (Baylis House)	Aug. 28	·60	11 00	12	3·00
Lancashire, S. 3	Rawtenstall (Greenfold Res.)	Aug. 23	1·70	16 00	30	3·40*
Yorks, W. R. ..2	Slaidburn (Langden Brook)	Aug. 20	·80	14 00	30	1·60
Norfolk .....2	Horsham St. Faith	Jul. 10	·96	00 25	40	1·45
Hampshire ....8	South Farnborough (R.A.E.)	Aug. 28	·90	09 45	40	1·35
Suffolk .....5	Mildenhall Airfield	Jul. 9	1·05	23 00	45	1·40
Gloucester ....7	Little Rissington Airfield	Aug. 28	·98	16 30	48	1·22
Norfolk .....1	Norwich	Jul. 10	1·46	00 36	55	1·59*
Yorks, W.R. ...2	Slaidburn (Langden Brook)	Aug. 22	1·46	12 45	60	1·46
Wiltshire .....1	Lyneham Airfield	May 21	1·06	14 42	60	1·06
Yorks, W.R. ...9	Leeds (Weetwood Filter Beds)	Aug. 7	1·97	12 45	95	1·25*
Lancashire, C. 1	Squires Gate (Blackpool Airport) .	Aug. 28	1·22	09 36	95	·77
Yorks, W.R. ...9	Leeds (Farnley Hall)	Aug. 7	1·55	12 40	102	·93
Caernarvon ...5	Snowdon (Cwm Dyli).....	Sep. 24	1·38	02 40	120	·69

* "Remarkable" fall. † "Very Rare" fall.

Table 6D Number of Days on which specified amounts of Rain fell in specified times during 1950

County	Station	10 mm. (0.4 inch) within					15 mm. (0.6 inch) within				20 mm. (0.8 inch) within				25 mm. (1.0 inch) within			
		5 mins.	15 mins.	30 mins.	1 hr.	2 hrs.	15 mins.	30 mins.	1 hr.	2 hrs.	5 hrs.	30 mins.	1 hr.	2 hrs.	5 hrs.	24 hrs.		
London	Camden Square	0	1	1	1	3	0	0	0	0	0	0	0	0	0	0		
Surrey	Croydon	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0		
"	Kew	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0		
Kent	Lympne	0	1	2	2	4	0	0	0	0	0	0	0	0	0	0		
Hampshire	South Farnborough	0	1	2	3	6	0	0	0	0	0	0	0	0	0	0		
Berkshire	Reading (Caversham Lock)	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0		
"	Abingdon	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0		
Hertfordshire	Knebworth	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0		
Suffolk	Mildenhall	0	1	1	1	4	0	0	0	0	0	0	0	0	0	0		
Devon	Plymouth (Mount Batten)	0	0	0	3	8	0	0	0	0	0	0	0	0	0	0		
Somerset	Bristol	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0		
Lincolnshire	Cranwell	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Cheshire	Manchester (Ringway)	0	0	0	3	4	0	0	0	0	0	0	0	0	0	0		
Lancashire	Southport	0	0	0	3	4	0	0	0	0	0	0	0	0	0	0		
Yorkshire	Leeming	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
North'land	Acklington	0	0	1	1	4	0	0	0	0	0	0	0	0	0	0		
Cumberland	Keswick	0	0	0	3	9	0	0	0	0	0	0	0	0	0	0		
Cardigan	Aberporth	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0		
Anglesey	Holyhead	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0		
Dumfries	Eskdalemuir	0	0	0	4	9	0	0	0	0	0	0	0	0	0	0		
Renfrew	Renfrew	0	0	0	1	7	0	0	0	0	0	0	0	0	0	0		
Fife	Leuchars	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0		
Aberdeen	Dyce (Airfield)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
"	Balmoral	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Shetland	Lerwick	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0		
Fermanagh	Castle Archdale	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Antrim	Aldergrove	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		

The falls are not necessarily continuous nor are they always confined to one calendar day. Not more than one fall of each specified amount is credited to any day; if more than the specified amount fell on any day, that part of it which fell in the shortest time is used for the table. An entry in any of the first four columns under the heading 10 mm. (0.4 inch) naturally recurs in the column or columns to the right, and there is a similar recurrence of the entries under the headings 15 mm. (0.6 inch), 20 mm. (0.8 inch) and 25 mm. (1.0 inch).

7 Heavy Falls on Rainfall Days in 1950

The daily measurements of rain which are set out in this Section are (a) falls amounting to $2\frac{1}{2}$ inches or more on the rainfall day, and (b) falls which amount to at least $7\frac{1}{2}$ per cent of the total recorded for the year 1950. A fall of $2\frac{1}{2}$ inches in a day at any station is sufficiently remarkable to be noticed, but it is likely to be of more frequent occurrence in areas which are normally wet, such as mountainous districts, than elsewhere. Hence the criterion of $7\frac{1}{2}$ per cent is introduced as well in order to admit certain falls of less

than $2\frac{1}{2}$ inches in areas where the total rainfall of the year does not exceed 33.3 inches.

A summary of the contents of this Section in each of the seventy volumes of *British Rainfall*, 1865–1934, was set out in an article in Part IV of *British Rainfall* 1934. The article also included a list of the absolute highest daily rainfall and the absolute highest daily percentage recorded in each year. Corresponding figures for the years 1935 to 1950 are set out in Table 7A.

Table 7A Maximum Daily Fall and Maximum Percentage

Year	ABSOLUTE HIGHEST RAINFALL				ABSOLUTE HIGHEST PERCENTAGE				Year
	Depth	Per cent	Station	Div.	Per cent	Depth	Station	Div.	
	in.	%			%	in.			
1935	6.16	5.7	New Dungeon Ghyll	X	12.2	4.83	Batheaston Reservoir	V	1935
1936	5.80	..	Glenshiel	XVIII	12.8	3.97	St. Albans (Oaklands)	III	1936
1937	5.76	18.2	Waltham-on-Wolds ..	VII	18.2	5.76	Waltham-on-Wolds ..	VII	1937
1938	7.14	5.2	Buttermere (Hassness)	X	15.4	5.61	Torquay (Abbey Park)	V	1938
1939	5.08	4.8	Blaenau Festiniog ...	XI	11.8	4.01	Milford W.W.	VI	1939
1940	6.23	6.8	Rhondda (Llyn Fawr)	XI	14.7	4.18	Scarborough (Osgodby)	IX	1940
1941	5.10	9.2	Merthyr Tydfil	XI	18.8	4.54	Wickham Bishops ...	IV	1941
1942	5.33	6.2	Grange-in-Borrowdale	X	12.0	3.55	Burnham (Chalbury)	V	1942
1943	4.44	4.6	Grange-in-Borrowdale	X	10.5	2.78	Torphins School House	XVII	1943
1944	5.20	3.2	Snowdon (Llydaw In.)	XI	14.0	4.45	Kilve (Harefield)	V	1944
1945	4.85	5.4	Borrowdale (Moraine)	X	16.6	3.82	Boston (Grand Sluice)	VII	1945
1946	6.83	6.4	Princetown		12.6	3.48	Doxford Hall	X	1946
			(H.M. Prison)	V	12.6	3.51	Chathill (Preston Twr.)	X	1946
1947	6.28	6.4	Glenquoich	XVIII	20.8	5.04	Wisley (Outfall Wks.)	II	1947
1948	6.21	17.0	Kelso (Floors)	XII	17.0	6.21	Kelso (Floors)	XII	1948
1949	6.04	3.5	Glenshiel (Kyle)	XVIII	19.1	4.12	March	III	1949
1950	4.55	4.2	Coniston (Holywath)	VIII	11.2	3.04	Fordham (London Hse.)	III	1950

Although the rainfall of 1950 was well above the average over most of the country, the greatest recorded fall on any one day was only 4.55 inches; this was at Coniston on September 6, a day of heavy rain over a wide area in western and northern districts. There has not been such a low maximum daily fall since 1943, and lower maxima have occurred in only 11 other years since 1865. The daily fall representing the highest recorded percentage of the year's total occurred, as in 1949, in Cambridgeshire, namely at Fordham on July 6. This maximum percentage is also the lowest since 1943.

listed has been reduced from 72 to 21 by raising the limit from $2\frac{1}{2}$ inches to 2.9 inches or more; otherwise there are no omissions.

In the tables included in the following account of the heavy falls of the year, a daily fall which is the maximum fall for the year at the station is indicated by ordinary roman type; other falls are in *italics*.

CHRONICLE

The amounts in this section cover the 24 hours commencing at 9 a.m. GMT. on the day of entry.

Weather was unsettled during the first half

Table 7B The largest Daily Rainfalls in 1950

Date	Div.	Station	Depth	Per cent of Year	Total for Year
			in.	%	in.
Sep. 6..	VIII	Coniston (Holywath)	4.55	4.2	108.18
Sep. 23..	XI	Llyn Morwynion	4.53	4.0	114.20
Sep. 25..	XI	Snowdon (Llydaw Intake)	4.31	2.6	165.37
Sep. 6..	X	Ulpha	4.25	4.8	87.80
Sep. 23..	XI	Festiniog (Hafod Fawr)	4.14	4.0	102.51
Sep. 23..	XI	Blaenau Festiniog (Oakeley Qu.)	4.02	3.1	131.61
Jan. 6..	X	Watendlath Farm	4.00	4.1	98.53
Sep. 6..	XI	Snowdon (Cwm Dyli)	4.00	2.6	152.66

Dates of occurrence and measurements of the eight largest falls of rain during 1950 are given in Table 7B. The table shows also the total amount for the year and the percentage of this total accounted for by the highest daily fall.

Of the 183 daily falls which reached or exceeded $2\frac{1}{2}$ inches, 53 reached or exceeded 3 inches; these figures are much the lowest since 1934. Only 8 reached or exceeded 4 inches and except for 1945 with 7 this is also the lowest number since 1934.

There was one day in the year which was outstanding, namely September 6; 72 of the 183 falls of $2\frac{1}{2}$ inches or more (that is 39 per cent) occurred on that day alone. In order not to overburden the corresponding part of the following Chronicle, the number of falls

of *January* and again during the last few days of the month, but heavy rain, which occurred mainly in the north and north-west, was confined to two brief periods. The second of these was the 3rd-6th and, though falls included in this chronicle belong only to the last of these four days, flooding in north Scotland on the night of the 5th was reported to have been the worst for 15 years. Snow fell on the 30th-31st with heavy drifts on high ground from mid-Wales and the Midlands northwards; this contributed to floods in the following month.

January 1

	in. or % of
	1950
	total
Yorkshire	
Slaidburn (Brennand)	2.50 3.1

B*

January 6

<i>Cumberland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Watendlath Farm	4.00		4.1
Thirlmere (Dale Head Hall)	3.63		3.7

Westmorland

Great Langdale (Long House)	3.92		3.2
Grasmere (Meadow Brow)	2.72		2.7

Renfrewshire

Kilmacolm W.W.	2.53		3.6
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Inverness-shire

Loch Quoich (Glenquoich)	2.58		2.1
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Ross and Cromarty

Glenshiel (Kyle)	2.60		1.8
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February opened with several days of heavy rain accompanied by gales, the severest of which occurred on the 2nd. The two outstanding periods of heavy falls on individual days, 9th–10th and 15th–17th, increased the seriousness of widespread floods which already, at first in England and Wales and later in Scotland, had been aggravated by snow-melt. The Yorkshire Ouse, the Trent, the Thames, the Severn, and many smaller rivers were in flood before the middle of the month. Great damage and hindrance to traffic were also caused in Scotland, the *Glasgow Herald* of February 18 reporting of Perthshire: “Six rivers are in high spate and the Tay has risen more than 15 ft. in Perth . . . two public parks, beside the river, overnight became flooded to a depth of six feet.” There was no substantial break in the stormy weather until the last few days of the month.

February 9

<i>Cardiganshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Birmingham W.W. (Abergwngu)....	3.00		3.7

Radnorshire

Birmingham W.W. (Tynant)	3.27		4.6
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Montgomeryshire

Birmingham W.W. (Bod-Talog)	2.98		3.8
Llanidloes (Mount Severn)	2.62		4.6
Hafren Nurseries	3.30		4.5
Clywedoc (Aber Biga)	2.50		3.9
Gam (Abercannon Farm)	3.27		4.3
Twrch (Dol-y-Gaseg).....	3.00		3.8
Lake Vyrnwy	2.65		3.7
Lake Vyrnwy (Experimental Stn.) ..	2.70		3.6

Merionethshire

Llyn Morwynion	2.51		2.2
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Caernarvonshire

	<i>in.</i>	<i>or</i>	<i>%</i>
Snowdon (Cwm Dyli)	2.70		1.8
Snowdon (Cwm Dyli, Old Rd.)	2.60		1.8
Snowdon (Llydaw Intake)	3.00		1.8

February 10*Glamorgan*

Rhondda (Lluest Wen Res.)	2.55		2.3
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Merionethshire

Bala (Craig Nant)	2.99		3.5
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February 15*Yorkshire*

Hawes Junction (Moorland Cottage) ..	2.71		3.4
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Caernarvonshire

Snowdon (Llydaw Intake)	2.76		1.7
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Inverness-shire

Glenleven (Blackwater Dam, N.) ..	2.54		2.4
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February 16*Argyllshire*

Ardgour (Inversanda)	3.00		2.5
Ardgour House	3.00		2.7
Conaglen	3.72		3.2

Inverness-shire

Loch Quoich (Glenquoich)	3.70		3.1
Fort William (Teviot)	3.38		3.6
Fort William (Glasdrum)	3.50		3.8

Ross and Cromarty

Glenshiel (Kyle)	2.85		2.0
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February 17*Inverness-shire*

Loch Hourn (Kinlochourn)	3.93		3.2
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The beginning of *March* brought a minor recurrence of the storms of the previous month with a few heavy falls in the west and north on the 2nd. Of the rest of the month, only the period 14th–19th was really stormy and some local flooding then occurred in south Scotland and in the Manchester area.

March 2*Merionethshire*

	<i>in.</i>	<i>or</i>	<i>%</i>
Blaenau Festiniog (Oakeley Qu.) ..	2.70		2.1

Inverness-shire

Loch Quoich (Kinlochquoich)	2.50		1.7
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March 18*Dumfriesshire*

Eskdalemuir (Kiddamhill)	2.65		3.5
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Selkirkshire

Ettrick Manse	2.76		4.4
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<i>Lanarkshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Crawford (Camps Reservoir)	2·53		4·7
Daer (Daerhead)	2·80		3·1
Daer (Kirkhope)	2·76		3·1

In *April* weather was generally unsettled but there were few occasions of heavy rain. Of the three recorded falls which qualify for inclusion in this chronicle the first was associated with the passage of a vigorous depression, and the other two with showery conditions in the rear of depressions. The snowstorm of the night of the 25th–26th which is referred to elsewhere (see Section 8) was remarkable in its effects, but not for the amounts of the falls recorded as equivalent rain, which rarely exceeded 1½ inches.

April 1

<i>Ross and Cromarty</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Glenshiel (Kyle)	2·61		1·8

April 9

<i>Cumberland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Nenthead (Whitehall House)	2·68		4·3

April 13

<i>Yorkshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Pontefract (The King's School)	1·94		7·5

There were several outbreaks of thunder during *May*, with some heavy local rains, particularly in the latter half of the month. Falls exceeding 7½ per cent of the year's total, however, were recorded on only one day, Sunday the 21st. This was the occasion of the tornadoes which travelled along tracks between Buckinghamshire and Norfolk, and all the heaviest falls were at places on or near these tracks, though considerable amounts were also recorded at some other places in the south. The tornadoes have been fully described elsewhere (see reference in Section 8). The most seriously affected areas were along an arc from Wendover to Ely, damage being caused largely by high winds with additional effects from hailstones and lightning. But in the Vale of Aylesbury and in the valleys of the Great Ouse and Nene there was also serious flooding; traffic was interrupted on many roads, and farms, villages and towns suffered

great inconvenience and damage. Chippenham and Swindon were among the places in other areas which experienced local flooding on the same day.

May 21

<i>Northamptonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Peterborough (Westbourne House)	1·86		7·9
Peterborough (Sewage P.S.)	2·04		8·1
<i>Huntingdonshire</i>			
Peterborough (Farcet)	2·22		9·2
<i>Bedfordshire</i>			
Hockliffe (Lyndhurst)	2·21		7·6
<i>Cambridgeshire</i>			
Stanground Sluice	2·12		8·6
<i>Lincolnshire</i>			
Deeping St. Nicholas	2·01		8·1

Heavy falls in *June* were associated with thunderstorms in England, mainly during the first half of the month, and with a succession of depressions during the last week which had their greatest effect in the west and north of Great Britain. Some of the thunderstorms were described in the press as “freak storms” and were very local; there was some temporary flooding of roads, and relief from threatened water shortage in a few areas. The fall of 2·33 inches at Hampton Waterworks on the 2nd occurred in 72 minutes and ranks as a “remarkable” fall.

June 2

<i>Surrey</i>	<i>in.</i>	<i>or</i>	<i>%</i>
West Molesey (Walton Works)	2·60		9·7
<i>Middlesex</i>			
Sunbury (Thames Street)	2·67		9·4
Hampton Waterworks	2·33		8·8
Hampton (Refuse Disposal Works)	2·28		8·5

June 26

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Festiniog (Hafod Fawr)	3·16		3·1
Llyn Morwynion	3·20		2·8
Manod Festiniog	3·07		2·8
<i>Caernarvonshire</i>			
Snowdon (Cwm Dyli)	2·60		1·7

June 28

<i>Argyllshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Ardgour (Inversanda)	2·62		2·2
Ardgour House	2·72		2·5
Glencoe Gardens	3·25		2·7

<i>Inverness-shire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Onich	2.69		2.7
Onich (Corran Gardens)	2.50		2.8
Skye (Broadford)	2.56		2.9
<i>Ross and Cromarty</i>			
Achnashellach	2.53		2.7

July was very unsettled and wet with frequent thunderstorms. The downpour of the 3rd was general over the southern half of England and Wales, and besides causing local flooding did much damage to standing corn. The fall of the 6th was a minor recurrence in most areas but produced even heavier falls in Cambridgeshire, and this county was again included in the areas of severe thunderstorms which affected London, East Anglia and parts of the Midlands on the evening and night of the 9th-10th. Local flooding and damage to crops were again reported; Norfolk was the most seriously affected area and a number of falls of "noteworthy" intensity were there recorded. Right up to the last day of the month damage and flooding from thunderstorms were intermittently experienced in many parts of the country, but the remaining heavy falls included below were due to the activity of depressions in a series which occurred in the period 13th-18th.

July 3

<i>Cambridgeshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Bluntisham (Brownhill Staunch) ..	1.85		8.1
Littleport (Highfield House)	2.16		8.9

July 6

<i>Cambridgeshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Cambridge (Glisson Road)	2.13		7.7
Fordham (London House)	3.04		11.2

July 9

<i>Cambridgeshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Ashwell (Odsey)	2.14		7.7
<i>Norfolk</i>			
Hingham (Southburgh)	2.39		8.0
Norwich (City Cemetery)	2.38		8.2
Erpingham (Wolterton Park)	2.83		8.3
Thetford (Lynford Hall)	2.60		8.3

July 13

<i>Dunbartonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Loch Sloy (Sloy Dam)	3.97		2.6

July 16

<i>Glamorgan</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Treherbert Park	2.54		2.4

The unsettled weather of the previous month continued throughout *August*, and for the British Isles as a whole there was no single period which was entirely free from the influence of depressions or thundery rains. Violent thunderstorms were reported at intervals from districts spread over the greater part of the country, and local flooding was a frequent occurrence. Compared with July, however, there was some change of character in that for the heaviest falls a higher proportion was derived from continuous general rain and not from thundery showers. The heavy falls were largely in the west and were spaced fairly evenly through the month. The Cray reservoir in Brecknockshire and the Lliw reservoir in Glamorgan overflowed, an unusual event for August. Harvesting was difficult but actual damage to crops might well have been more serious.

August 8

<i>Westmorland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Great Langdale (Long House)	2.98		2.4
Grasmere (Meadow Brow)	2.60		2.5

August 11

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Manod Festiniog	2.87		2.6
Blaenau Festiniog (Oakeley Qu.) ..	3.27		2.5

August 15

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Blaenau Festiniog (Oakeley Qu.)	2.70		2.1

August 20

<i>Brecknockshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Ystradgynlais (Yniscedwyn Ho.) ..	2.50		3.0

August 23

<i>Lancashire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Rawtenstall (Green Fold Res.)	2.58		4.5
Padiham (Huntroyde)	2.50		4.8

August 26

<i>Dunbartonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Loch Sloy (Sloy Dam)	2.77		1.8

August 31

<i>Middlesex</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Hayes	2.16		7.9

There was no change from the westerly type of weather in *September*; conditions were persistently unsettled and at times very stormy. When thunderstorms occurred, as they did, for

example, in the west of Britain on the 14th and in the east on the 24th–25th, it was as the aftermath of one or other of the succession of depressions which crossed the country with only brief fair interludes. The heavy rains were accompanied by widespread and severe gales, especially on the 6th and the 16th–17th. Although flooding was reported at various times, particularly in the east of Scotland as a result of the falls of 23rd–25th, the greatest interest must be centred on the unusually fierce storm of the 6th.

With a depression centred over Iceland, a vigorous secondary which had travelled east-north-east across the Atlantic was deepening rapidly, during the morning of the 6th, in a position off north-west Ireland. The centre moved across northern Scotland during the latter part of the day, and afterwards along the west coast of Scandinavia. All parts of the British Isles were affected by the rain and strong winds which swept the country, though the rain was not heavy in the south-east. In the mountainous belts in the west, extending from Glamorgan to Inverness-shire, falls were commonly $2\frac{1}{2}$ inches or more for the 24 hours ending at 09h. on the 7th; actually most of this rain fell during the first half of the period. Upwards of one inch fell over the greater part of Lancashire and part of the West Riding of Yorkshire, an area to some extent sheltered from the worst effects by the mountains of North Wales. The Lake District, Snowdonia and the high ground in the south-west of Scotland, in that order, received the heaviest falls, and there was serious flooding, much of it in towns, in Scotland, Northern Ireland, Westmorland, Cumberland and Lancashire. Gales were severe in exposed places, with resultant damage and obstruction added to the effects of the floods. Damage to crops and losses of farm stock were particularly serious in the Lake District. The heavy rain was also an important factor contributing to the colliery disaster at Knockshinnoch, Ayrshire, on September 6, in which 13 men lost their lives. Mr. John Park of the National Coal Board, observer at New Cumnock Power Station,

half a mile from the colliery, measured 2·00 inches for the rain-day.

September 6

<i>Lancashire</i>	<i>in. or</i>	<i>%</i>
Haverthwaite (Outwood)	2·91	4·6
Coniston (Thwaite Cottage)	3·89	4·1
Coniston (Holywath)	4·55	4·2
Hawkshead (Keen Ground)	3·36	3·8
<i>Cumberland</i>		
Watendlath Farm	3·45	4·8
Thirlmere (Dale Head Hall)	3·72	3·8
Ulpha	4·25	4·8
<i>Westmorland</i>		
Patterdale Hall	3·20	3·1
Ambleside (The Lakes, U.D.C.)	3·55	4·4
Rydal (High Close)	3·78	3·9
Rydal (The Hall)	3·58	4·1
Great Langdale (Long House)	3·92	3·2
Grasmere (Meadow Brow)	3·44	3·4
<i>Caernarvonshire</i>		
Snowdon (Cwm Dyli)	4·00	2·6
Snowdon (Cwm Dyli, Old Rd.)	3·90	2·7
Snowdon (Llydaw Intake)	3·90	2·4
<i>Kirkcudbrightshire</i>		
Laggan of Dee	3·33	4·5
Dalry (Glenlee)	2·92	4·5
Dalry (Forest Lodge)	3·05	3·6
<i>Dunbartonshire</i>		
Loch Sloy (Coiregrogain)	3·06	2·3
<i>Perthshire</i>		
Loch Dhu	2·92	3·3

September 14

<i>Argyllshire</i>		
Conaglen	2·72	2·4
<i>Inverness-shire</i>		
Fort William (Teviot)	2·89	3·1
Fort William (Glasdrum)	2·63	2·8

September 16

<i>Argyllshire</i>		
Strachur (Glenbranter)	2·86	2·9

September 17

<i>Westmorland</i>		
Great Langdale (Long House)	2·55	2·1
<i>Lanarkshire</i>		
Strathaven (Glengavel Res.)	2·70	4·2
Strathaven (Dunside Res.)	2·50	3·9
<i>Dunbartonshire</i>		
Loch Sloy (Sloy Power Station)	2·75	2·4
Loch Sloy (Sloy Dam)	3·94	2·6
<i>Inverness-shire</i>		
Loch Quoich (Kinlochquoich)	2·75	1·9
<i>Ross and Cromarty</i>		
Glen Cannich (Benula)	2·75	3·1
Glenshiel (Kyle)	2·64	1·8

September 23

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Llyn Morwynion	4.53		4.0
Manod Festiniog	3.98		3.6
Blaenau Festiniog (Oakeley Qu.) ...	4.02		3.1
Blaenau Festiniog (Llechwedd Qu.) .	3.39		2.8
Dolgelly (Borthwnog)	2.58		3.9
Pennal (Llwyn-Celyn)	2.95		4.2

Caernarvonshire

Beddgelert (Primary School)	2.97		2.9
Hafodtanygraig	2.77		2.5
Snowdon (Cwm Dyli)	3.90		2.6
Snowdon (Cwm Dyli, Old Rd.)	3.89		2.7

September 24*Fifeshire*

St. Andrews.....	2.24		7.5
Leuchars Airfield	2.34		8.5
Balmerino Manse	2.19		8.0
Newport (Tayfield).....	2.58		8.6
Tayport (Lighthouse)	2.81		9.5

Angus

Dundee (Camperdown Works)	2.30		8.0
Dundee (Mayfield)	2.68		8.9

September 25*Caernarvonshire*

Beddgelert (Primary School)	2.82		2.8
Snowdon (Cwm Dyli)	3.66		2.4
Snowdon (Cwm Dyli, Old Rd.)	3.64		2.5
Snowdon (Llydaw Intake)	4.31		2.6

Isle of Man

Douglas (Clypse Res., Onchan)	2.79		5.4
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October was very dry over England and Wales and the few heavy falls of interest occurred in Scotland. The north-west was in fact wetter than average. The rains, which were sometimes accompanied by thunder as on the 9th, were caused by depressions following tracks to the north of Britain. No flooding was reported in the Press, and for comparison with the reports in earlier months, there was this item in the *Berkshire Chronicle*:—" . . . during the last week, which ended on October 23, the flow of the river at Teddington has been two-thirds of the standard average."

October 3*Inverness-shire*

	<i>in.</i>	<i>or</i>	<i>%</i>
Loch Quoich (Kinlochquoich)	2.78		1.9
Loch Quoich (Glenquoich)	3.76		3.1
Loch Hourn (Kinlochhourn)	2.81		2.3

October 9*Argyllshire*

Glenleven (Kinlochleven)	2.80		2.8
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Depressions again took southerly tracks during *November*, many of them travelling across England, with the result that it was very wet over England and Wales and fairly dry, compared with the average, in the west of Scotland. Nevertheless heavy falls were uncommon. The 20th was the outstanding day in a very unsettled period from the 18th to the 22nd, and though there was only one fall which qualified for inclusion in this chronicle, there was more than one inch over much of Devonshire, Dorset, Wiltshire and Hampshire and about 1½ inches in Somerset and Gloucestershire. Flooding occurred in this large area and in South Wales, and a little later in parts of the Midlands and the north of England. In the Bristol area the floods were the worst for many years and the Avon at Bath was reported to have risen at the rate of 18 inches an hour until it was 12 feet above normal level. The Thames flooded some low-lying ground along its lower course and on the 21st, according to the *Daily Express*, flow was three times the November normal at Teddington weir. The heavy falls of the 27th were more limited in duration and in area, and did not lead to any appreciable flooding.

November 20

<i>Somerset</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Temple Combe Rectory	2.60		6.1

November 27*Devonshire*

S. Brent (Badworthy)	2.62		3.1
S. Brent (Didworthy San.)	2.83		3.3
Dartmoor (Swincombe)	2.56		3.0
Princetown (H. M. Prison)	2.68		2.8

Much of the frequent precipitation of *December* was in the form of snow. Though heavy for short spells locally, there were no recorded falls, expressed as the rainfall equivalent, which qualify for inclusion here. The depth of level undrifted snow reached 9 inches or more in different parts of the country on various days, a depth of 1 foot in the Isle of Wight on the 15th being a notable example. Drifts up to 4 feet in North Wales on the 17th and up to 5 feet in the Chilterns on the 18th and 19th were specially striking items in the reports received.

8 Monthly Rainfall in 1950

Information as to the rainfall of the months of 1950 over Great Britain and Northern Ireland is set out in this section in various forms:

(1) Table 8A gives general values of the monthly and annual rainfall over the constituent areas separately. Similar values for previous years have been given in each volume since 1906 except in the case of Northern Ireland which was included in the volume for 1940-1942 for the first time.

(2) Details are given of some of the largest and smallest monthly totals of rainfall reported during 1950.

(3) In Table 8C the monthly and annual totals of rainfall are set out for 334 stations, distributed as evenly as possible over the country.

(4) Table 8D gives the monthly and annual falls expressed as percentages of the averages for 1881 to 1915. It is confined to 123 stations for which averages are available. The monthly totals, in inches, for stations in 8D are given in Table 8C. At the end of Table 8D general monthly percentage values are given for England, Wales, England and Wales, Scotland and Northern Ireland.

Table 8A General Rainfall for 1950, computed from the average, 1881-1915, by applying the general percentage values given in Tables 8D and 10B to the General Average Values.

Months				England	Wales	Isle of Man	England and Wales	Scotland	Northern Ireland
				in.	in.	in.	in.	in.	in.
January	..	..	..	1.5	2.2	2.4	1.6	4.2	2.4
February	..	..	..	5.1	8.8	4.8	5.6	5.4	3.5
March	..	..	..	1.4	2.8	3.7	1.6	3.8	2.0
April	..	..	..	2.6	4.1	4.4	2.8	4.4	4.9
May	..	..	..	2.1	1.7	1.4	2.1	2.0	1.4
June	..	..	..	1.7	2.5	1.4	1.9	3.3	2.7
July	..	..	..	3.8	4.9	3.2	3.9	5.1	6.5
August	..	..	..	4.4	8.5	7.6	4.9	5.2	5.6
September	..	..	..	4.5	9.0	10.3	5.0	10.2	7.7
October	..	..	..	1.5	4.0	4.3	1.8	4.8	4.0
November	..	..	..	5.7	7.0	4.8	6.0	5.4	3.0
December	..	..	..	2.7	4.1	3.9	3.0	3.5	4.1
Year	..	..	..	37.0	59.6	52.2	40.2	57.3	47.8

Table 8B General Monthly and Annual Averages of Rainfall 1881-1915

Months				England	Wales	Isle of Man	England and Wales	Scotland	Northern Ireland
				in.	in.	in.	in.	in.	in.
January	..	..	..	2.69	4.72	3.40	2.99	4.90	3.33
February	..	..	..	2.34	3.94	3.25	2.57	4.18	2.98
March	..	..	..	2.47	3.82	3.03	2.67	4.05	3.05
April	..	..	..	1.98	2.96	2.47	2.12	2.99	2.58
May	..	..	..	2.19	2.95	2.82	2.30	3.01	2.70
June	..	..	..	2.33	3.05	2.54	2.44	2.83	2.86
July	..	..	..	2.75	3.60	3.22	2.87	3.78	3.41
August	..	..	..	3.11	4.71	4.01	3.35	4.51	4.16
September	..	..	..	2.37	3.51	3.22	2.54	4.00	3.01
October	..	..	..	3.69	5.63	4.64	3.97	4.90	3.61
November	..	..	..	3.19	5.25	4.73	3.49	5.29	3.81
December	..	..	..	3.56	6.00	4.97	3.92	5.88	4.16
Year	..	..	..	32.67	50.14	42.30	35.23	50.32	39.66

(5) A set of twelve maps showing cartographically the distribution of the percentage monthly values given in Table 8D is reproduced in this article. The corresponding percentage map for the whole year appears as a frontispiece to the volume.

A set of twelve maps showing the distribution of the actual rainfall in each month has been prepared on the scale of 16 miles to the inch, based on the values from some 2,000 stations. Owing to the necessity for economy in printing, these maps have not been reproduced in this Section.

In Table 8B the average values, taken from the Book of Normals, Table 21A (M.O.236, Section V), are given for comparison with the values for 1950 given in Table 8A. The values for Northern Ireland have been evaluated more recently in the same manner as was adopted previously for the other areas.

General Monthly Rainfall

The general monthly values shown in Table 8A have been computed by applying the percentage values given at the end of Table 8D to the average general values for the period 1881-1915. These computed values in inches have been subsequently slightly adjusted in order that the totals for the year should agree with the totals given in Table 10A, which are based on a more exact determination as explained in the text accompanying that table.

The wettest month of the year was November over England, but September over Wales, Scotland and Northern Ireland. Over England and Wales, as a whole, February, with a general rainfall of 5.6 inches, was the wettest February since 1869 except for 1923. November's total of 6.0 inches was exceeded in seven Novembers since 1869, four of these

occurring within the previous 11 years, and six within the previous 24 years. Over Scotland September, with 10·2 inches, was easily the wettest September in the series, the next wettest there being that of 1927 with 8·2 inches. Over Great Britain and Northern Ireland as a whole only the September of 1918 was wetter. Over England and Wales the three months July to September gave 13·8 inches, the largest amount since that of 1927 with 14·9 inches, while over

Scotland the total of 20·5 inches was easily a record for the period.

The driest month of the year was March over England, but May over Wales, Scotland and Northern Ireland. Over England and Wales as a whole the driest months were January and March, each with 1·6 inches, but June with 1·9 inches and October with 1·8 inches were nearly as dry.

Extremes of Monthly Rainfall at Individual Stations

(a) *Monthly Totals*:—The largest monthly totals were recorded in September. Sprinkling Tarn, at the head of Borrowdale in Cumberland, received 44·25 inches, which is the largest monthly total recorded there since records commenced in 1864. In Wales the largest total was 35·50 inches on Snowdon (Grib Goch), while in Scotland, Loch Quoich (Kinlochquoich) had 25·45 inches.

The dry October gave a number of totals less than 0·5 inch in the Medway Valley, the smallest being 0·09 inch at Maidstone (Allington Lock). Other small totals were 0·22 inch in January at Cheltenham and 0·24 inch in March at both Cromer and Aylsham, in Norfolk. Totals in Scotland and Wales were rarely less than 0·5 inch, but only 0·18 inch was recorded at Kinloss, in Morayshire, for October and 0·37 inch at Hawarden in Flintshire for

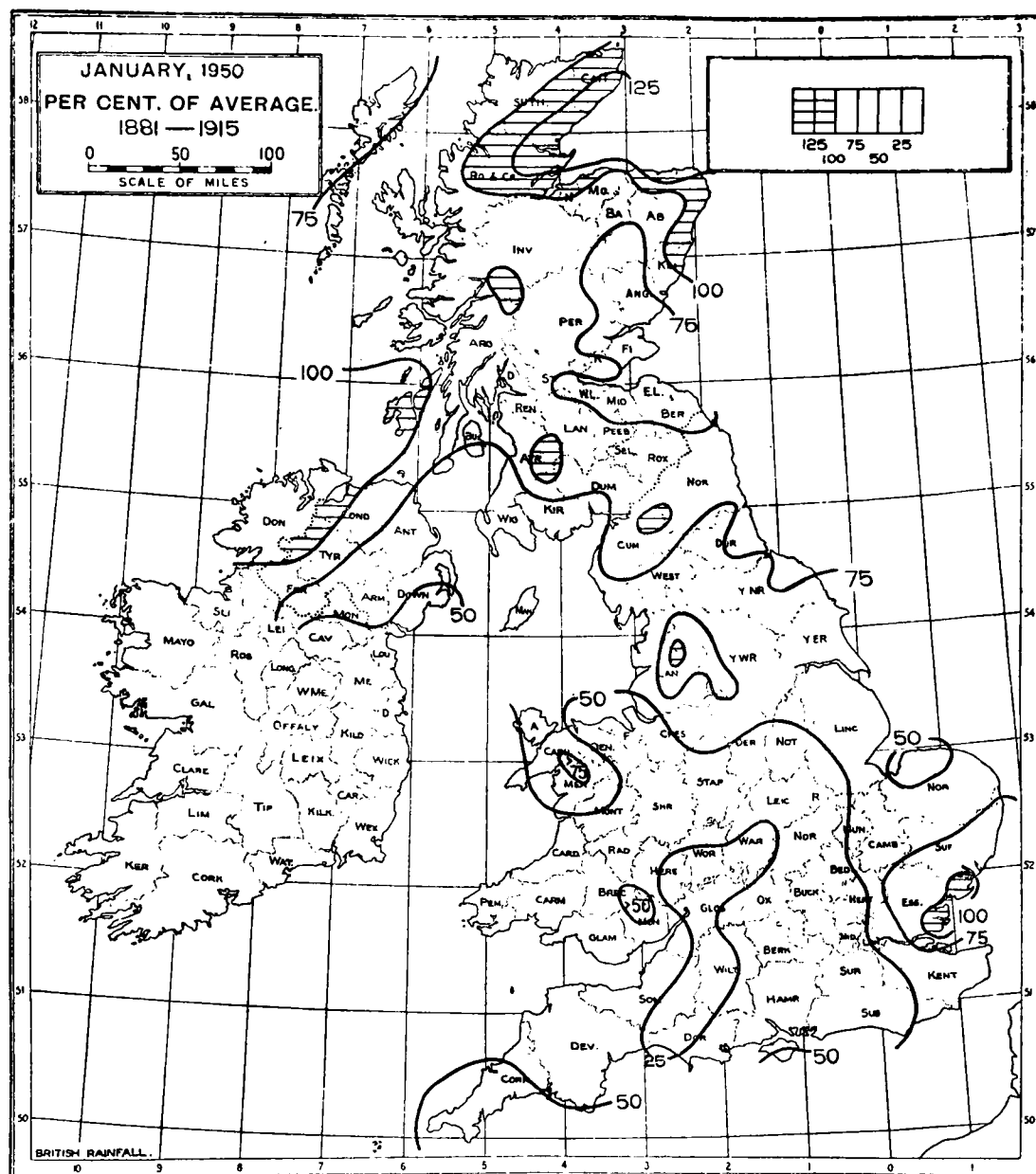
January. In Northern Ireland almost every monthly total exceeded one inch, but about 0·80 inch occurred at an isolated station in both January and May.

(b) *Monthly percentage values*:—Areas with more than twice the average appear on the maps for eight months of the year, with three times the average on the maps for February, July and September. The largest percentage values at the stations in Table 8D are 343 at Keswick, 338 at Lake Vyrnwy and 337 at Loch More, all in September, but 350 per cent was recorded at Cambridge in July. On the other hand less than 25 per cent was recorded at only a few stations and these falls were confined to January, March and October. Less than 15 per cent occurred only in October with 5 per cent at Edenbridge and 10 per cent at Shoeburyness.

The Rainfall and Weather of the Individual Months

In the following pages maps are given showing the distribution of the rainfall each month expressed as percentages of average, together with a short account of the weather. Further details are

given in the *Monthly Weather Report*, which also includes maps of the distribution of rainfall amounts and of mean pressure and the movements of the centres of the main depressions.

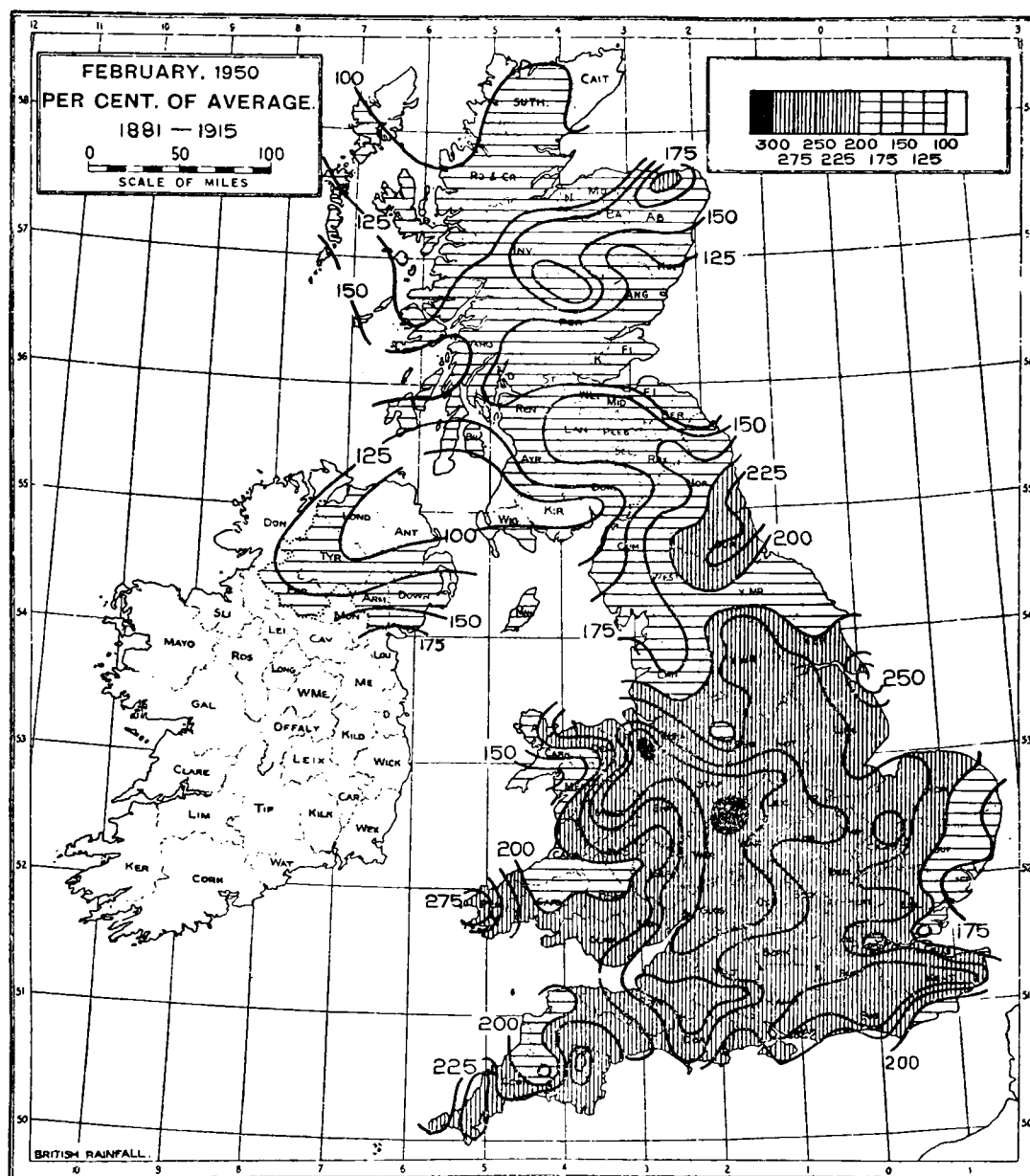


Rainfall, January 1950, as per cent of average

January. Mean pressure exceeded the average, the excess being greatest in the north. A mild spell with predominantly south to south-west winds was experienced during the first fortnight and temperatures frequently exceeded 55°F . Substantial rain occurred only in the north-west. The second part of the month was very cold with easterly winds, dry at first and with considerable fog. Heavy snowfalls occurred on the 30th and 31st, north of a line from mid-Wales to Norfolk. Level

snow was 9 inches deep locally in the Pennines, and 6 inches in many parts of Scotland.

Precipitation was markedly deficient over most of Wales and the southern half of England, making this the driest January over England and Wales generally since 1907. Much of the southern half of England had less than one inch of rain, and values exceeding 10 inches occurred only over Snowdonia, Scafell and parts of the Western Highlands.

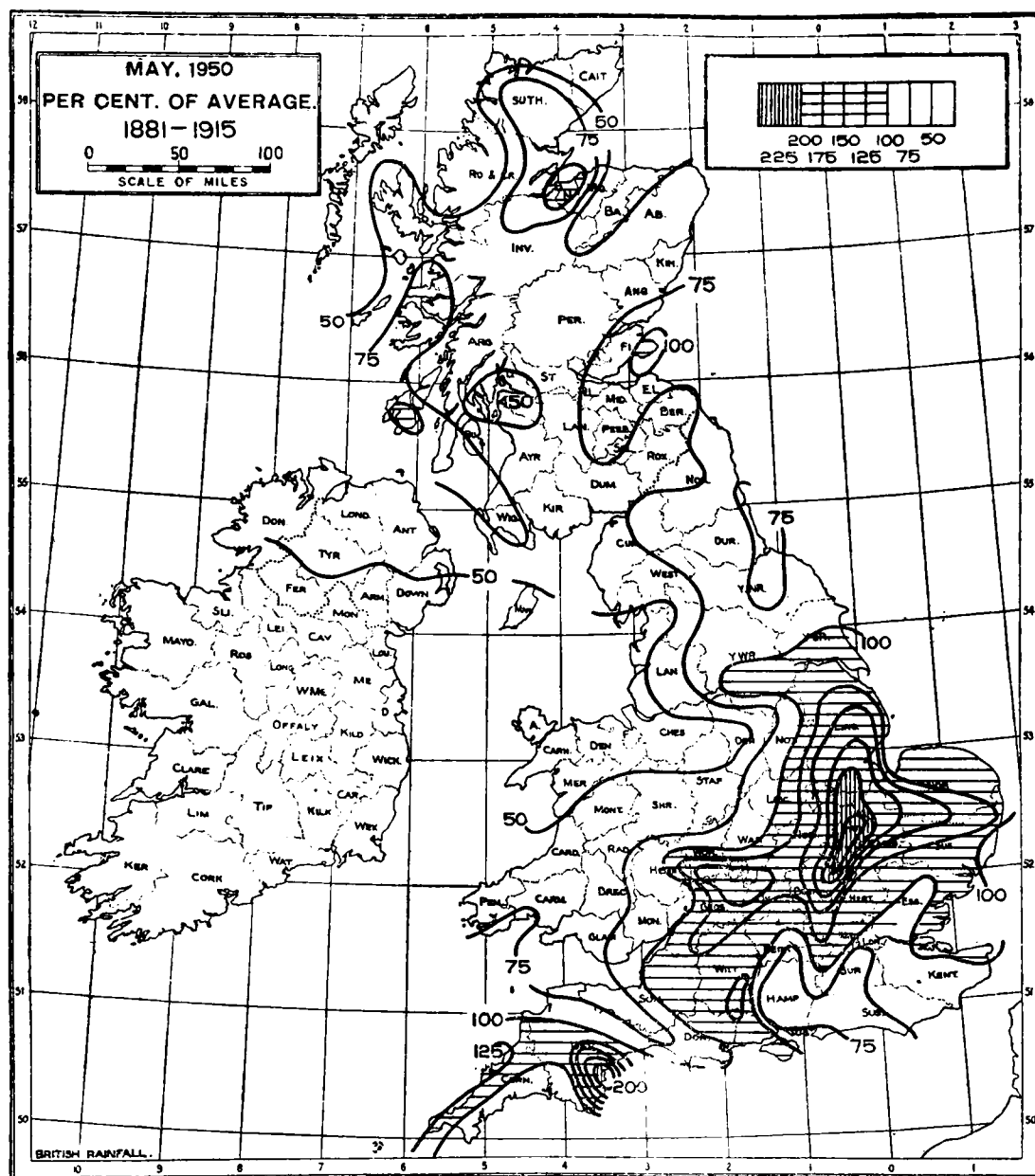


Rainfall, February 1950, as per cent of average

February. A series of depressions, moving over or near the British Isles, resulted in a mean pressure well below average, with predominating southerly and westerly winds and mild, unsettled, wet weather especially over England and Wales. The rain of the first 17 days gave rise to considerable flooding, augmented in many areas by melting January snow (Section 7). A brief fair period over much of England from the 15th to 18th was

associated with anticyclonic conditions, temperatures at some places exceeding 60°F. on the 18th, but further heavy rain occurred between the 19th and 25th.

The general rainfall, 219 per cent of average, has been exceeded for February only in 1923 (235 per cent). Except over parts of the eastern counties, rainfall totals generally exceeded 3 inches, with more than 20 inches over Snowdonia and Scafell.



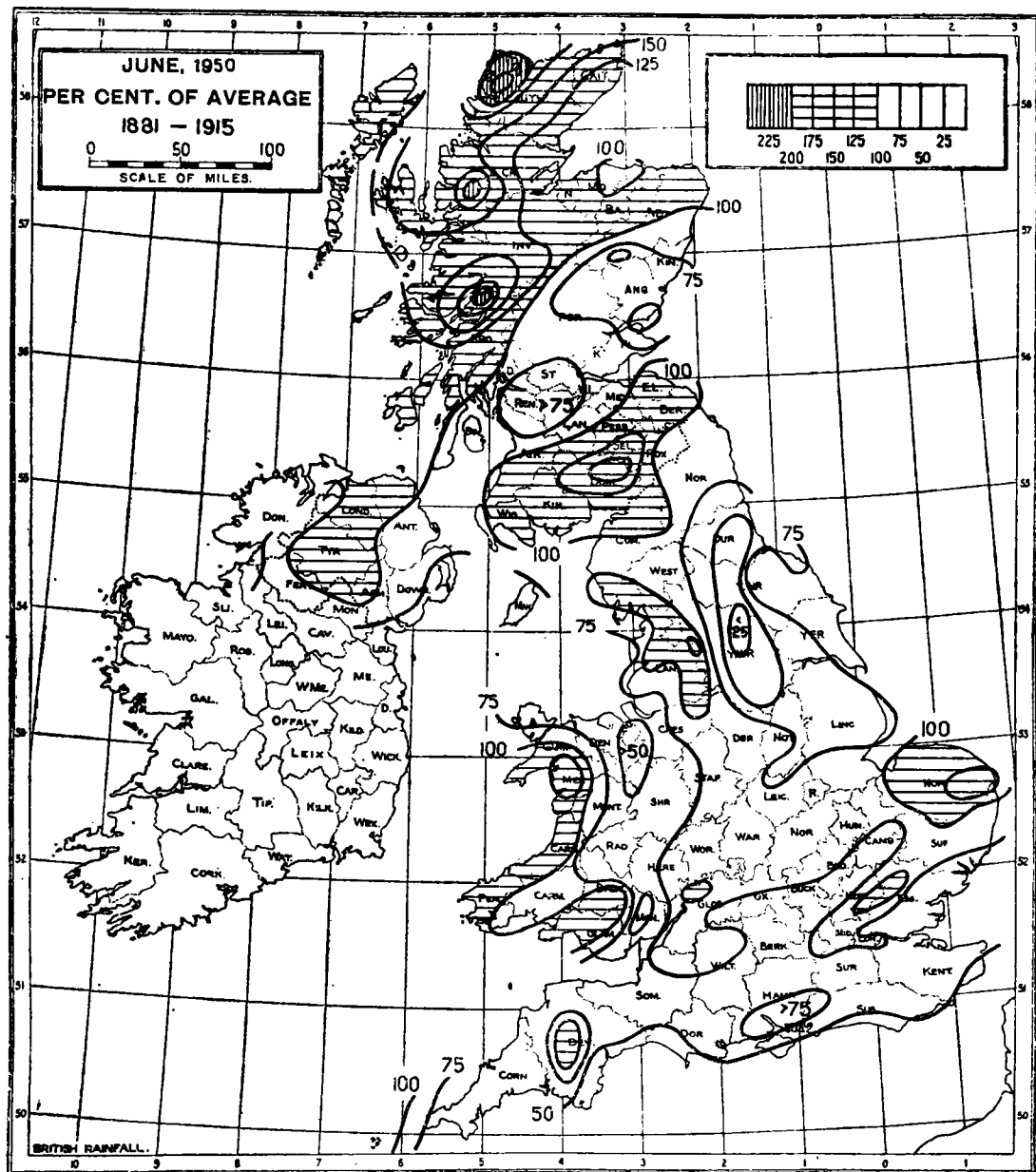
Rainfall, May 1950, as per cent of average

May. Mean pressure exceeded the average with a reversal of the usual distribution; it was highest over Scotland, lowest off south-west England, and winds from the south and east predominated. The weather was changeable, warm spells alternating with bursts of polar air. Thunderstorms were widespread in the south on the 21st and a tornado, rare for England, formed in Buckinghamshire, and followed a 65-mile track from Wendover to Ely; the trail of damage was especially severe

between Wendover and Linslade. The tornado was part of a group of which a full account is given in the *Meteorological Magazine**. Details of intense falls are in Section 6.

Monthly rainfall over northern Britain, Wales and Northern Ireland was mainly well below average, but amounts exceeded 200 per cent near the tracks of the tornadoes and in the neighbourhood of Teignmouth. Except over these areas totals were mainly between 1 and 3 inches.

* *Met. Mag.*, London, 79, 1950, p. 245.

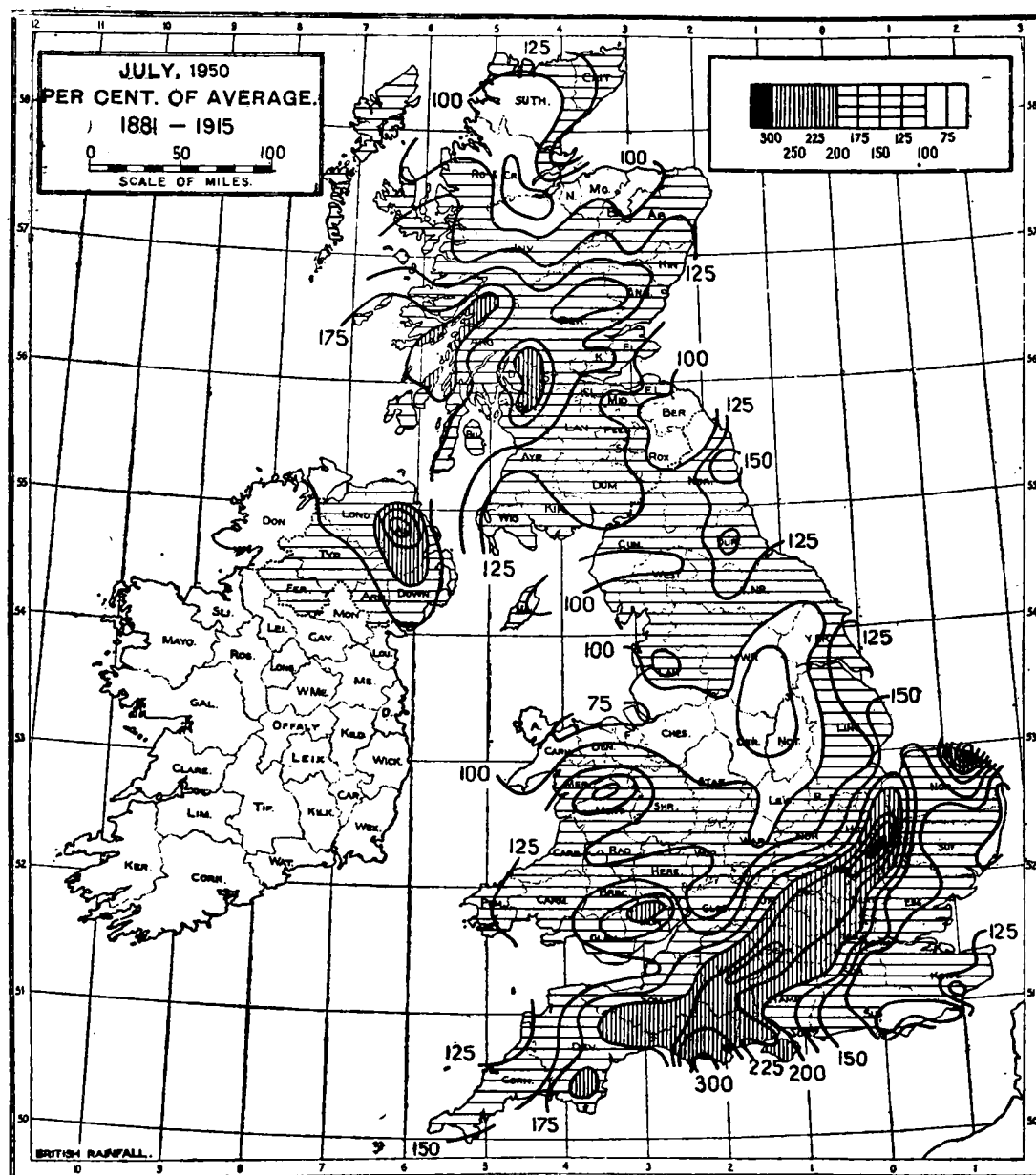


Rainfall, June 1950, as per cent of average

June. Mean pressure was generally below average, the deviations at 9h. ranging from +0.3 mb. at Portland Bill to -4.2 mb. at Lerwick. Over north and west Scotland the month was very wet, but until the last week the weather over England, Wales and south Scotland was mainly warm, sunny and dry with some thundery outbreaks. The first week was particularly fine and warm with temperatures exceeding 80°F. but thunderstorms were heavy locally on the 2nd (Section 6). Conditions

became unsettled over most of the country about the 26th with persistent westerly winds in an otherwise relatively calm month.

The extreme range of rainfall as percentages of average was from 23 at Harrogate to 234 at Loch More, Sutherland. Much of England and the eastern half of Scotland had less than 2 inches with only 0.5 inch in the Leeds-Harrogate area. Totals exceeded 12 inches on Snowdonia and Scafell.

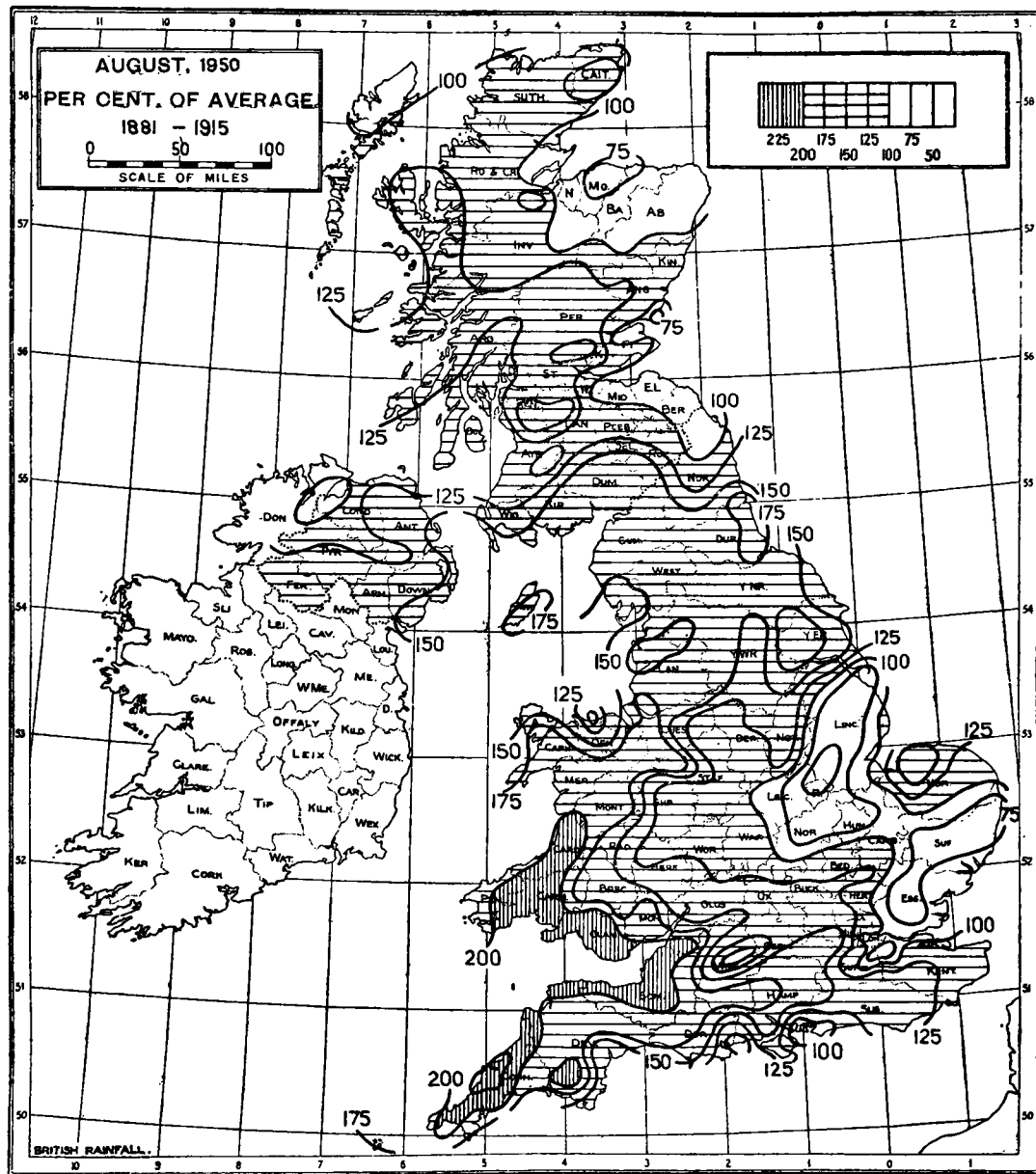


Rainfall, July 1950, as per cent of average

July. Mean pressure was generally below average, particularly in the west, and predominating winds were between south and west. The weather was unsettled with frequent thunderstorms and strong winds which reached gale force locally in southern parts of Great Britain. Temperatures generally were equable. Sunshine was considerably above average in Scotland, and Lerwick had the second sunniest July for nearly 30 years. Thunderstorms occurred somewhere on most days;

they were severe in East Anglia on the night of the 9th-10th and widespread on the 21st.

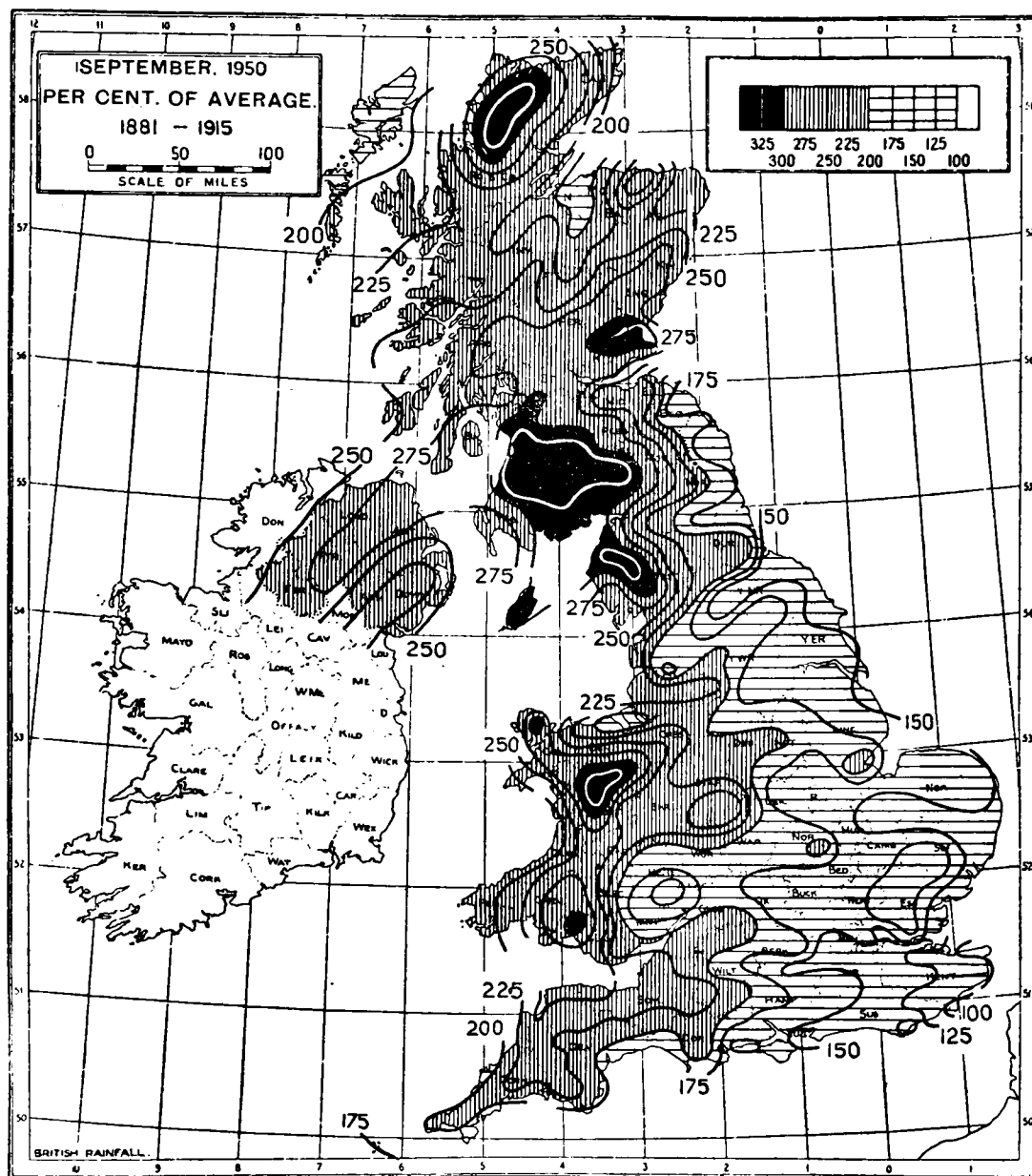
Large areas had less than average rainfall, notably in north Scotland, central England and North Wales but elsewhere excesses were marked. Percentage values at Cambridge and Cromer were 350 and 300. An unusual feature of the distribution was a belt with considerably more than 4 inches across the valleys of the Thames and Great Ouse to the Norfolk coast, some amounts exceeding 6 inches.



Rainfall, August 1950, as per cent of average

August. Mean pressure was again below average, the deviation at 9h. ranging from -2.2 mb. at Spurn Head to -6.0 mb. at Armagh and Tiree. Winds were predominantly from south to south-west and gales were recorded at coastal stations on the 8th and 10th. Mean temperature and sunshine amounts varied little from normal except that sunshine was excessive in north and east Scotland. The weather was generally unsettled with frequent thunderstorms.

Rainfall was well above average over much of Great Britain and Northern Ireland, especially in the west, with more than twice the normal in the south-west. There was less than average at places in the south and east with the smallest proportion, 34 per cent, at Cranwell. Totals exceeded 2 inches almost everywhere and 5 inches over more than half the country. The summits of Snowdon and Scafell had more than 25 inches.

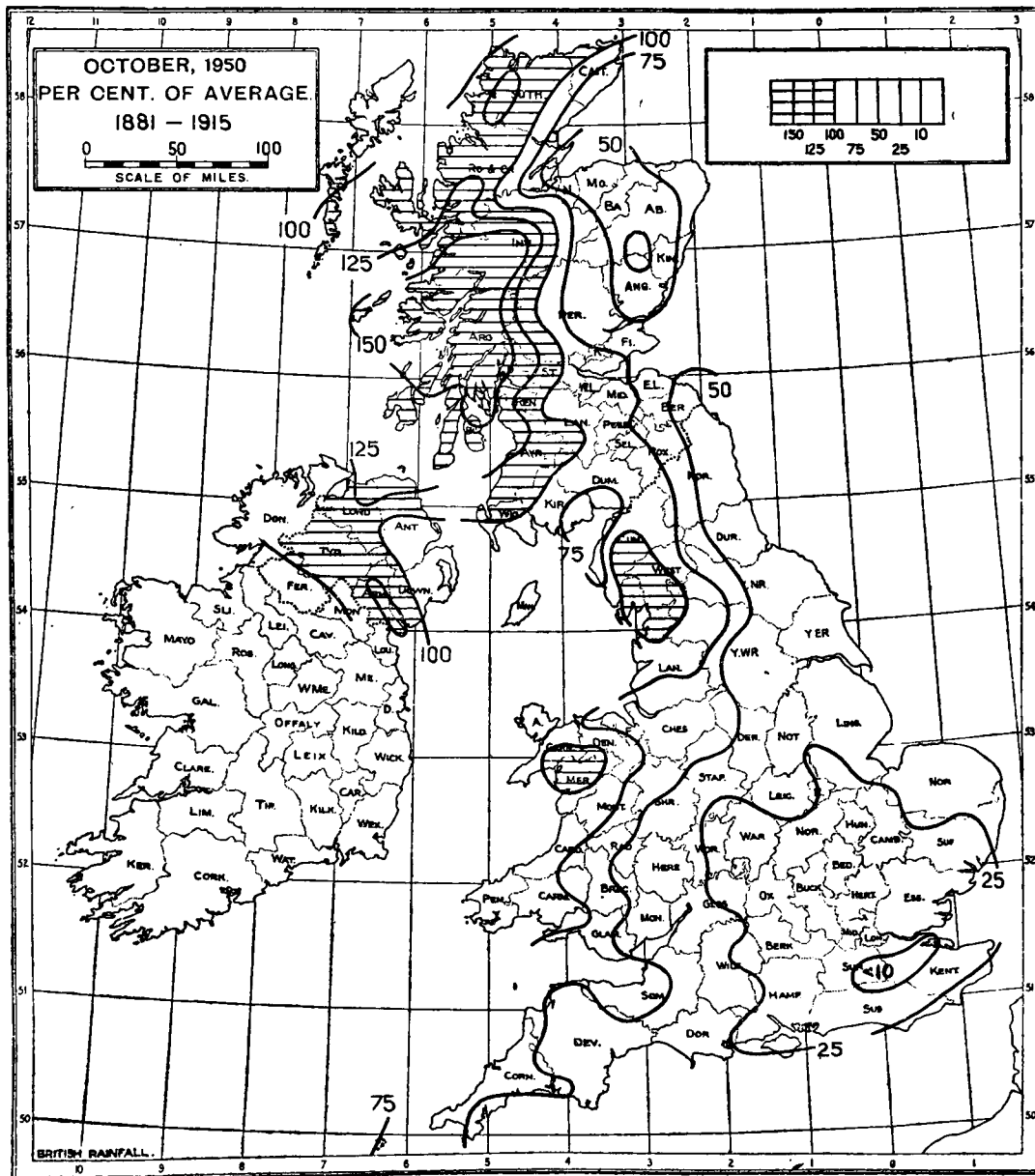


Rainfall, September 1950, as per cent of average

September. The mean pressure gradient was much steeper than usual, the deviation at 9h. ranging from -3.9 mb. at Scilly to -13.5 mb. at Lerwick. Winds were mainly from south and south-west with frequent gales which were widespread and severe on the 6th, 16th and 17th. The weather was generally cool, dull and exceptionally wet, the 6th being the wettest day of the year in the west. It was the

wettest September on record over Scotland with 10.2 inches or 256 per cent of average.

Much of Great Britain had more than twice the normal rainfall with more than three times the average over large areas in the west. More than half the country received over 10 inches and totals exceeded 30 inches on Snowdonia and 40 inches on Scafell.

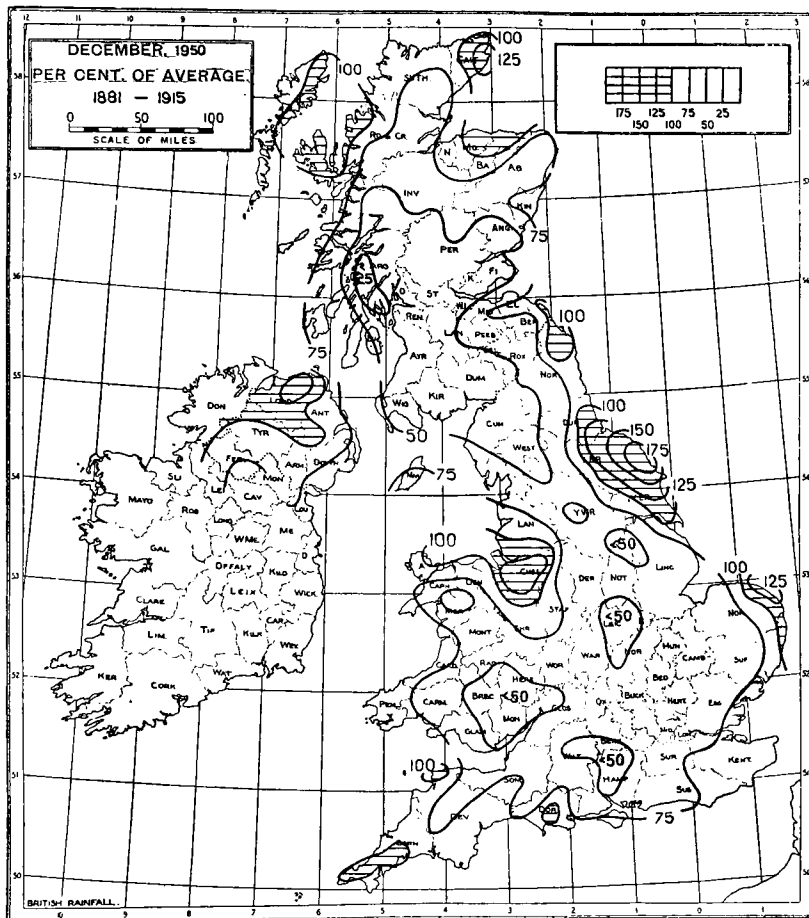


Rainfall, October 1950, as per cent of average

October. Mean pressure was rather above average, except in the north of Scotland. Winds were mainly between south and west, frequently reaching gale force during the first 17 days, but were easterly from the 21st to 29th. Sunshine and mean temperature were about normal, but although the first 19 days were rather warm, the last week was cold. Fog, frequent in the second part of the month,

was widespread and severe on the 31st.

Tracks followed by depressions were mostly to the north of Great Britain so that the month was dry in the east and south of the country, wet in the north-west. Most of England and part of east Scotland had much less than half the average rainfall. A feature of the distribution in inches was the large part of south-east England with totals below 0.5 inch.



Rainfall, December 1950, as per cent of average

December. Mean pressure was above average in the north and below in the south. Winds generally were less strong than usual and were frequently northerly in the north and west. The month was very cold, probably the coldest December over Great Britain since 1890 and over Scotland since 1886. Precipitation, which was mainly in the form of snow, was nearly everywhere below average, about a third of the country having less than half the normal. The heaviest snow falls were between

the 1st and 4th, the 13th and 17th and on the 30th, with a depth of 6 inches at many places during the first two periods (20 inches at Dalwhinnie on the 3rd) and of 9 inches at Buxton and Southport on the 30th. Snow drifts and ice-bound roads dislocated transport services.

Monthly totals were mainly between 2 and 6 inches in Scotland and between 1 and 6 inches in England and Wales.

Table 8c Monthly Rainfall at 334 Stations in Great Britain and Northern Ireland in 1950
ENGLAND, WALES AND THE ISLANDS

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
London	2	in. 1.01	in. 3.30	in. .53	in. 2.12	in. 1.42	in. 1.35	in. 3.16	in. 2.56	in. 2.47	in. .41	in. 4.74	in. 1.61	in. 24.68
Surrey	6	.88	5.27	1.34	2.76	1.64	1.21	4.29	3.94	3.45	.43	5.84	2.00	33.05
"	6	.79	4.15	.95	3.07	1.28	.97	3.29	2.42	2.74	.43	5.37	1.75	27.21
Kent	1	1.52	3.99	1.09	2.85	1.28	.94	2.98	2.63	2.60	1.01	7.86	2.95	31.70
"	2	1.49	3.93	1.04	2.28	1.35	1.00	3.33	2.84	2.51	.74	6.15	2.85	29.51
"	2	1.58	4.40	.67	2.24	1.61	1.34	2.30	1.74	1.85	.37	6.32	2.53	26.95
"	2	1.25	5.92	1.39	3.31	1.61	1.16	2.74	2.39	2.98	.18	7.20	2.51	32.64
"	4	1.46	4.07	.99	1.87	1.69	1.34	2.72	1.51	2.58	.30	5.00	2.01	25.54
"	4	.91	4.20	.79	3.21	1.34	1.58	2.31	1.28	2.75	.33	5.02	1.45	25.17
Sussex	5	1.02	4.56	1.25	2.21	1.41	.71	2.83	2.36	2.53	.71	5.80	2.41	27.80
"	1	1.42	6.69	2.57	2.88	1.45	2.04	4.22	3.92	4.63	.84	7.79	2.72	41.17
"	1	1.21	5.13	1.58	2.56	1.47	1.67	3.43	2.71	2.59	.55	6.78	2.09	31.77
"	2	.97	4.33	1.23	1.94	1.06	.58	2.75	2.43	3.11	.69	5.74	2.12	26.95
"	3	1.12	5.11	1.33	2.28	1.12	.83	1.81	3.15	2.75	1.24	6.59	2.47	29.80
"	5	1.71	5.03	1.28	2.03	1.74	.88	4.36	2.80	3.78	1.07	5.66	2.58	32.92
Hampshire	1	.78	5.34	1.35	2.62	1.90	1.12	4.29	2.00	3.17	.83	6.03	2.24	31.67
"	2	.98	4.94	1.62	2.32	1.33	1.64	4.41	3.55	3.70	.74	5.65	2.65	33.53
"	4	.55	5.36	1.45	2.34	2.02	.94	4.62	5.38	3.92	.97	6.24	2.50	36.29
"	5	.73	5.03	1.27	1.74	1.66	1.20	3.26	2.19	2.72	.45	4.63	2.10	26.98
"	7	1.00	6.70	2.39	3.12	2.29	1.75	5.40	4.51	4.13	.73	7.52	2.70	42.24
"	8	.73	4.44	1.18	2.56	1.33	1.23	4.83	3.82	2.93	.44	5.40	1.60	30.49
Berkshire	4	.52	5.26	1.35	2.43	2.55	1.08	5.09	3.42	3.78	.70	6.16	1.66	34.00
"	5	.49	4.18	.71	1.78	2.34	1.47	3.87	3.04	3.27	.49	4.46	1.19	27.29
Hertfordshire	2	.97	4.58	.84	1.83	1.96	1.48	5.43	3.37	3.15	.50	5.23	1.62	30.96
"	3	1.04	3.23	.48	1.78	2.40	1.38	5.68	3.78	2.90	.41	4.64	1.21	28.93
Buckinghamshire	2	.61	4.85	.71	1.85	2.11	1.63	5.28	3.66	3.05	.64	4.93	1.28	30.60
"	3	.70	3.85	.65	2.23	1.71	1.69	4.12	3.43	2.47	.48	4.87	1.79	27.99
"	3	.82	4.81	1.05	2.23	1.65	1.24	5.79	3.58	3.79	.64	5.56	1.63	32.79
Oxfordshire	3	.58	4.18	.81	1.97	3.06	2.03	5.08	2.27	3.18	.43	4.44	1.48	29.51
"	3	.55	4.09	.87	2.14	2.19	1.54	5.33	3.05	2.86	.50	4.42	1.30	28.84
Northamptonshire	4	.63	4.81	1.11	1.82	2.83	1.47	3.97	3.24	3.31	.51	4.34	1.14	29.18
"	4	.50	4.19	.96	1.73	3.05	2.63	2.98	2.24	3.02	.58	3.92	1.26	27.06
Huntingdonshire	1	.71	3.70	.71	1.91	3.16	2.03	3.30	1.70	3.60	.60	3.80	1.43	26.65
"	1	1.05	3.52	.48	2.27	3.26	1.95	4.78	2.06	2.52	.46	4.19	1.01	27.55
Bedfordshire	1	.79	2.74	.57	2.06	3.30	1.26	3.44	1.38	2.81	.42	3.39	1.07	23.23
"	3	.65	3.68	.69	1.96	4.62	1.58	5.35	2.60	3.10	.50	4.27	1.40	30.40
"	3	1.02	3.09	.43	1.71	3.55	1.33	5.08	2.21	2.42	.61	4.15	1.50	27.10
Cambridgeshire	2	.86	3.08	.50	1.86	2.51	1.48	7.58	2.67	2.48	.39	3.73	1.20	28.34

Table 8C Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Cambridgeshire	Littleport (Highfield House)	in. .93	in. 2.88	in. .30	in. 1.58	in. 2.69	in. 1.59	in. 5.16	in. 2.06	in. 2.73	in. .45	in. 2.92	in. .89	in. 24.18
"	March	1.13	3.21	.46	2.51	3.03	1.83	5.06	1.78	2.62	.49	3.75	1.17	27.04
Essex	Hatfield Broad Oak (Barrington)	1.36	3.68	.59	1.87	1.87	2.19	3.23	1.61	3.33	.38	4.56	1.77	26.44
"	North Weald (Canes)	1.38	3.32	.70	1.55	1.41	3.37	3.50	1.67	3.08	.52	4.62	2.00	27.12
"	Shoeburyness	1.41	2.43	.58	1.43	2.03	1.06	2.09	1.63	2.37	.26	3.78	1.67	20.74
"	Bradwell-on-Sea (Bellropes)	1.35	2.49	.45	1.05	1.59	1.25	2.75	2.22	2.75	.21	3.40	1.39	20.90
"	Maldon	1.25	2.49	.62	1.43	1.48	1.29	2.06	1.32	2.79	.22	3.67	1.60	20.22
"	Earls Colne (Grammar School)	1.37	2.73	.63	1.46	1.48	1.12	3.18	1.94	3.34	.28	3.91	1.33	22.77
"	Dovercourt	1.86	2.10	.41	1.41	1.40	1.02	2.46	1.72	2.53	.32	3.90	1.71	20.84
Suffolk	Ipswich (Belstead Hall)	1.17	2.58	.56	1.33	1.35	1.30	3.30	1.81	3.42	.42	3.69	1.61	22.54
"	Lowestoft (Secondary School)	1.26	2.29	.33	2.03	2.17	1.73	2.55	1.58	2.58	1.24	3.61	2.47	23.84
"	Bury St. Edmunds (Westley Hall)	1.31	3.06	.42	1.86	2.41	1.72	2.89	1.72	3.20	.47	4.36	1.56	24.98
Norfolk	Wymondham (Browick Hall)	1.27	3.33	.45	2.03	1.70	2.16	2.86	1.99	3.04	.85	4.66	1.85	26.19
"	Cawston (New Street)	1.04	3.26	.28	2.23	1.85	2.30	4.92	2.41	3.00	1.07	4.35	2.43	29.14
"	Sprowston	1.30	3.03	.40	1.68	1.95	2.55	4.67	2.43	3.33	.91	4.05	2.25	28.55
"	Sandringham House Gardens	.93	3.98	.74	2.26	2.14	2.37	3.63	4.64	3.15	.36	4.47	1.86	31.53
"	Cromer (Howards Hill)	1.03	3.05	.24	2.01	1.87	1.94	6.61	2.43	2.78	.92	4.44	3.47	30.79
"	Hunstanton	.84	3.27	.61	1.51	1.98	1.74	4.00	3.52	2.39	1.10	3.50	1.64	26.10
"	Thetford Waterworks	1.19	3.16	.47	1.78	2.00	1.62	4.33	1.99	2.67	.79	4.61	1.56	26.17
Wiltshire	Fonthill House Gardens	.56	7.14	1.68	3.73	2.04	1.46	5.77	5.11	4.68	1.53	7.90	2.77	44.37
"	Larkhill (School of Artillery)	.48	5.14	1.18	2.92	1.65	1.11	4.98	4.30	3.78	1.09	5.89	1.80	34.32
"	Porton (C.D.E.E.)	.62	5.48	1.25	2.84	2.16	.96	4.37	4.28	3.87	1.08	6.00	1.86	34.77
"	Aldbourne (Manor House)	.71	5.60	1.25	2.58	2.12	1.78	4.73	3.35	3.81	.90	6.67	2.21	35.71
Dorset	Creech Grange	1.05	5.56	1.91	2.78	1.69	1.45	6.82	3.50	4.97	1.50	6.80	3.59	41.62
"	Beaminster (East Street)	.65	7.06	2.74	2.81	1.55	.96	5.22	5.54	5.00	1.65	6.94	3.34	43.46
"	Blandford (Bryanston)	.79	6.61	2.00	2.99	1.66	.93	5.20	3.93	4.34	1.47	7.32	2.62	39.86
Devonshire, South	Plymouth (The Hoe)	1.46	6.71	2.73	2.09	1.67	.81	4.70	5.13	6.15	2.16	7.26	4.47	45.34
"	Mary-Tavy (Blackdown)	2.06	9.47	3.88	4.16	2.04	2.88	6.34	10.39	9.60	2.45	9.03	6.68	68.98
"	Ashburton (West Street)	1.67	11.38	3.88	2.63	3.54	1.11	5.95	5.93	5.95	1.86	10.25	4.75	58.90
"	Teignmouth (Den Gardens)	.97	6.40	1.57	1.61	3.98	.68	4.07	3.29	3.56	1.32	5.75	3.59	36.79
"	Crediton (Okefield)	1.01	5.27	.79	2.38	2.42	1.99	4.49	5.25	4.88	1.40	7.50	4.13	41.51
"	Cullompton	.85	6.13	2.08	2.76	1.99	1.33	5.49	5.74	4.78	2.06	7.60	3.97	44.78
"	Sidmouth (Loretto)	.81	5.27	1.25	2.15	1.82	.98	4.42	3.61	4.00	1.87	6.49	3.29	35.96
Devonshire, North	Ilfracombe (Bowling Green)	1.45	7.00	2.08	2.35	1.52	1.42	3.38	7.89	7.39	2.17	7.21	4.82	48.68
"	Okehampton (Uplands)	2.09	10.03	2.83	3.64	3.08	3.40	5.40	7.62	8.12	1.93	11.00	5.06	64.20
"	Torrington (Caynton House)	1.07	4.33	1.30	2.13	1.85	1.84	2.64	6.50	6.33	1.40	7.18	4.36	40.93
Cornwall	Newquay (Mount Wise)	1.83	6.74	1.59	2.17	2.30	1.32	3.24	6.21	5.31	2.00	6.76	3.94	43.41
"	Bodmin (Castle Hill House)	2.81	9.95	2.49	2.42	2.76	1.72	4.64	9.12	7.71	2.52	9.66	5.72	61.52

Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Cornwall ..	Bude (School House)	1.28	4.93	1.40	2.31	2.00	1.46	2.93	6.13	5.74	2.30	7.70	4.18	42.36
" ..	Penzance (Morrab Gardens)	2.28	7.31	2.59	2.39	2.35	1.36	3.88	6.71	6.08	2.40	8.40	5.82	51.57
" ..	Falmouth Observatory	2.43	8.48	2.81	2.62	1.84	1.23	3.87	6.32	5.70	1.76	8.85	5.40	51.31
" ..	St. Austell	2.85	8.51	2.46	2.99	2.15	1.78	4.43	7.26	7.12	2.61	9.82	6.68	58.66
" ..	Tresco Abbey	1.32	6.58	1.61	1.19	2.31	2.03	3.36	4.32	4.46	2.64	5.63	4.09	39.54
Somerset ..	Chewton Mendip (The Priory) .....	.78	8.95	2.26	3.84	2.29	2.81	5.72	7.55	6.07	1.91	8.28	3.33	53.79
" ..	Bath (Henrietta Park) .....	.53	5.39	.80	2.11	2.33	1.84	4.40	4.52	4.28	1.58	5.79	2.02	35.59
" ..	Street (Millfield) .....	.33	5.14	1.08	2.56	1.75	1.83	4.06	4.21	3.90	1.71	5.85	2.07	34.49
" ..	Burnham (Dunstan House) .....	.50	4.65	.68	2.24	2.09	2.20	4.12	5.85	5.09	1.65	6.06	2.21	37.34
" ..	Taunton (Vivary Park) .....	.53	4.77	.94	1.81	2.04	1.63	3.80	4.20	3.08	1.26	5.81	2.48	32.35
" ..	Brushford Nurseries	1.82	9.29	1.95	3.27	2.03	2.30	5.57	6.94	6.84	1.84	9.55	4.23	55.63
Gloucestershire ...	Cheltenham (Montpellier Gardens) ..	.22	5.15	1.37	1.75	1.83	2.47	2.85	3.72	2.89	.84	5.33	1.32	29.74
" ..	Blockley (The Manor House) .....	.45	6.01	1.35	2.21	2.42	1.52	3.48	4.07	3.74	.53	5.69	1.87	33.34
" ..	Lechlade (Claydon House) .....	.55	4.24	.90	1.98	2.48	1.47	3.22	3.25	3.51	.65	4.79	1.54	28.58
" ..	Cirencester (Somerford Road) .....	.71	6.55	1.56	2.67	2.78	1.74	3.75	4.75	5.05	.86	6.00	1.84	38.26
Herefordshire ..	Ross-on-Wye .....	.30	5.46	1.57	1.85	1.58	1.54	2.71	3.58	2.65	.81	4.93	1.46	28.44
" ..	Vowchurch (Ladywell House) .....	.84	5.80	1.58	1.95	2.20	1.28	3.34	4.36	3.90	1.49	5.46	1.79	33.99
" ..	Presteigne (Middlemoor) .....	.81	6.53	1.49	2.50	1.18	1.34	4.02	4.27	3.90	1.33	5.25	2.07	34.69
Shropshire	Bromfield (Oakly Park) .....	.77	5.18	1.64	2.02	.93	1.72	4.15	3.75	3.59	1.51	4.80	1.96	32.02
" ..	Church Stretton (Sewage Works) .....	.84	5.50	1.21	2.63	1.43	1.32	3.08	5.38	5.14	1.62	5.03	2.51	35.69
" ..	Shrewsbury (Monkmoor) .....	.64	4.31	1.42	2.89	1.01	1.41	2.23	3.34	3.74	1.46	3.38	2.01	27.84
" ..	Shifnal (Hatton Grange) .....	.51	4.19	.82	2.05	1.57	.82	2.57	2.97	3.57	1.00	4.03	2.43	26.53
" ..	Oswestry (Mount Reservoir)	1.26	6.99	2.02	3.29	.96	1.12	2.83	5.73	5.40	2.56	3.93	2.63	38.72
Staffordshire ..	Lichfield (Hanch Reservoir) .....	.76	4.60	.96	2.10	1.24	.86	2.22	2.62	3.16	.88	3.19	1.68	24.27
" ..	Stafford (Victoria Pleasure Ground) ..	.72	4.05	.78	2.70	.98	1.48	1.98	4.90	4.12	1.39	3.20	2.80	29.10
" ..	Longton (The Meir)	1.19	5.90	1.60	3.81	.80	1.89	3.01	5.51	4.50	1.06	4.50	3.00	36.77
Worcestershire ..	Malvern (Free Library) .....	.45	4.66	1.48	2.00	2.19	2.12	3.16	3.62	3.54	.85	4.30	1.80	30.17
" ..	Stourport (Lincombe Lock) .....	.54	4.44	1.28	2.04	1.67	1.81	2.37	2.79	3.61	1.06	3.87	1.65	27.13
Warwickshire	Alcester (Arrowside) .....	.38	3.89	.93	1.81	1.51	2.26	2.40	3.86	3.22	.60	3.53	1.51	25.90
" ..	Leamington Spa (Pump Room Gdns.) ..	.36	4.06	1.51	2.19	2.54	1.79	2.53	2.78	2.93	.57	3.56	1.24	26.06
" ..	Coventry (City Hospital) .....	.46	4.25	1.48	1.63	2.00	1.22	2.30	2.80	3.24	.65	3.36	1.43	24.82
" ..	Birmingham (Edgbaston) .....	.74	5.28	1.56	1.96	1.61	2.21	2.95	3.21	4.85	.79	4.57	1.67	31.40
Leicestershire	Caldecott (Eyebrook Reservoir) .....	.74	3.46	.78	1.98	1.94	2.16	2.58	1.56	3.48	.59	3.46	1.17	23.90
" ..	Thornton Reservoir .....	.71	4.22	.86	1.65	1.85	1.61	2.26	2.59	3.15	.89	3.62	1.34	24.75
" ..	Loughborough (Nanpantan Res.) .....	.83	4.61	1.13	2.50	2.02	1.34	2.36	2.74	2.48	.97	4.22	1.35	26.55
Lincolnshire	Spalding (Pode Hole) .....	.85	3.04	.62	2.18	2.85	1.72	2.69	2.40	2.17	.67	3.70	1.23	24.12
" ..	Boston (Black Sluice, Skirbeck)	1.00	3.20	.60	1.77	3.36	1.36	2.66	1.82	3.74	.93	4.03	1.34	25.81
" ..	Cranwell Airfield .....	.80	3.46	.57	2.14	2.77	1.28	2.46	.93	3.34	.66	4.12	1.39	23.92

Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Lincolnshire	Horncastle	1.04	4.29	.55	2.54	2.57	2.67	2.62	1.97	4.46	1.04	4.30	2.15	30.20
"	Lincoln (Skellingthorpe Hall)	.90	3.91	.97	2.69	2.02	1.67	2.23	2.44	3.35	.69	4.44	1.36	26.67
"	Skegness (Marine Gardens)	1.08	3.41	.39	2.38	1.99	1.02	3.69	2.78	2.95	.97	4.26	1.10	26.02
"	Brigg (Wrawby Road)	1.04	3.65	1.00	3.07	1.94	1.90	3.10	2.83	3.14	.86	4.17	2.18	28.88
Nottinghamshire	Nottingham (The Castle)	.99	4.02	.82	2.36	1.72	1.47	2.02	3.19	2.70	.78	4.19	1.45	25.71
"	Mansfield (Carr Bank)	.76	4.58	.98	2.35	1.67	1.12	1.76	3.71	3.78	.89	4.35	1.61	27.56
"	Gringley Carr Pumping Station	1.08	3.52	.98	2.94	2.06	1.29	2.13	2.33	2.92	.78	3.43	1.43	24.89
Derbyshire	Buxton (Terrace Slopes)	3.16	7.14	2.47	4.83	1.56	2.85	3.45	4.80	6.40	3.02	6.77	4.14	50.59
"	Derby (Markeaton Park)	.95	4.95	.95	2.72	1.67	1.74	1.94	3.05	4.24	1.02	4.45	1.97	29.65
"	Northwich (Hunts Lock)	1.09	4.37	1.50	3.14	1.19	1.86	4.03	3.94	4.78	2.29	4.19	2.86	35.24
Cheshire	Birkenhead (Bidston Observatory)	.73	3.99	1.30	2.80	.72	1.36	1.94	5.57	4.82	2.00	4.41	3.08	32.72
"	Manchester (Whitworth Park)	1.80	4.03	1.82	3.12	1.46	3.04	3.14	4.58	5.24	2.40	4.44	3.49	38.56
Lancashire, South	Bolton (Queens Park)	3.60	5.31	2.26	3.83	1.70	2.34	4.11	7.50	7.80	3.23	6.26	4.36	52.30
"	Rochdale (Lord Street)	2.76	5.32	2.45	3.70	1.91	2.19	5.02	6.30	7.86	2.72	6.08	3.55	49.86
"	Squires Gate (Blackpool Airport)	1.48	3.41	1.48	2.28	.93	1.51	2.74	6.61	6.19	2.57	3.55	2.96	35.71
Lancashire, Central	Stonyhurst College	4.50	5.22	2.00	3.93	1.52	3.41	4.38	8.90	7.23	3.84	7.29	3.13	55.35
"	Southport (Bedford Road Park)	1.36	3.87	1.26	2.18	.80	1.91	2.85	5.89	6.41	3.07	3.91	3.07	36.58
"	Morecambe	1.69	4.03	2.18	2.55	1.02	2.14	3.36	6.19	7.57	4.03	4.87	2.27	41.90
Lancashire, North	Garstang (Grizedale Reservoir)	2.65	4.38	2.20	2.37	1.24	4.03	5.22	8.35	7.80	3.83	4.70	2.92	49.69
Yorkshire, W.R.	Sedburgh (Brigflatts)	3.82	6.61	3.09	4.23	2.21	5.76	5.42	9.10	9.89	5.30	6.33	3.00	64.76
"	Sheffield W.W. (Redmires Res.)	1.77	6.39	1.41	4.10	2.00	1.74	2.34	3.55	5.36	1.79	5.97	2.54	38.96
"	Goole	1.42	3.95	1.48	2.30	1.94	.71	2.94	4.04	3.06	1.05	3.64	1.66	27.82
"	Huddersfield (Oakes)	2.67	6.02	2.01	3.83	2.45	1.20	2.94	4.75	5.01	1.83	4.70	2.61	40.02
"	Wakefield (Clarence Park)	1.40	4.26	1.75	2.61	2.13	.92	1.64	3.71	2.48	1.10	4.10	1.36	27.46
"	Bradford (Lister Park)	2.01	5.77	1.30	2.90	1.89	.52	3.09	5.06	4.55	1.65	3.76	1.81	34.31
"	Ilkley (Spences Gardens)	1.99	7.60	1.58	3.72	2.22	1.07	3.54	6.29	4.89	2.49	4.24	2.34	41.97
"	Oughtershaw Hall	5.63	9.79	3.38	5.61	3.36	3.82	5.54	10.43	11.18	5.86	7.67	3.69	75.96
"	Harrogate (Harlow Moor Obsy.)	1.88	5.44	1.10	2.78	2.15	.55	3.03	4.16	3.49	1.73	3.70	1.78	31.79
"	Ramskill	3.32	7.93	1.99	4.67	2.30	1.54	2.99	7.27	5.76	2.89	6.17	2.19	49.02
"	Birdsall Gardens	1.50	4.53	1.39	2.84	1.69	1.12	2.38	5.11	3.57	1.49	4.82	3.55	33.99
Yorkshire, E.R.	Spurn Head (R.N. Signal Station)	.87	3.58	.57	1.79	2.15	2.57	2.30	1.72	2.90	.87	3.50	2.25	25.07
"	Hull (Pearson Park)	1.24	3.61	1.07	2.49	2.29	1.58	2.99	4.48	2.69	1.10	4.76	2.61	30.91
"	Lowthorpe (The Elms)	1.38	3.83	1.12	3.23	2.11	.99	3.11	5.10	3.52	1.52	4.29	3.91	34.11
Yorkshire, N.R.	Leyburn (Spennithorne)	1.37	4.81	.84	2.24	1.57	.97	3.36	5.31	3.35	1.31	4.91	1.65	31.69
"	Felixkirk (Mount St. John)	1.49	3.20	1.03	1.91	1.10	1.95	3.38	4.50	3.33	1.10	4.52	3.07	30.58
"	York (Museum)	1.38	3.37	.98	2.64	1.69	1.12	1.91	4.86	2.65	1.20	3.33	1.83	26.96
"	Scarborough	1.31	3.08	.82	2.51	1.62	1.53	2.58	3.82	2.38	1.23	4.13	4.58	29.59
"	Kildale Hall	1.38	4.55	1.28	2.19	2.05	2.69	3.90	5.21	3.20	1.78	8.23	3.69	40.15

Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Yorkshire, N.R.	6	1.17	2.46	.67	1.88	1.40	1.47	2.87	4.66	2.33	1.00	5.47	2.89	28.27
"	6	2.09	6.73	1.52	2.91	2.09	1.53	3.20	5.85	5.32	2.62	5.30	1.88	41.04
Durham	1	1.45	3.10	.65	1.96	.78	1.12	2.23	5.28	2.89	.97	4.88	2.37	27.68
"	1	1.67	5.65	1.12	2.44	1.59	.90	3.10	4.96	3.89	1.50	5.18	2.04	34.04
"	2	4.40	7.90	3.16	4.70	3.50	3.50	5.90	7.90	9.50	5.60	7.90	3.20	67.06
"	2	1.73	3.17	.83	1.47	1.79	.73	4.06	4.82	4.26	.98	5.83	3.25	32.92
"	2	2.49	4.39	.95	2.57	2.29	1.18	3.83	5.56	4.94	1.85	6.40	3.14	39.59
Northumberland	4	1.45	3.58	.53	1.95	1.81	1.35	3.28	5.32	3.68	.89	4.77	2.02	30.03
"	3	2.36	4.41	1.26	2.47	1.44	2.08	3.82	4.30	5.00	2.70	4.40	2.47	37.33
"	5	1.62	3.64	.99	2.03	1.90	1.92	3.89	3.88	3.71	1.22	5.41	2.30	32.51
"	5	1.54	3.53	.78	2.81	1.43	1.58	3.21	3.62	3.93	1.21	5.85	2.77	31.73
"	6	1.59	3.15	1.11	2.21	1.79	1.66	2.38	2.62	3.93	1.74	4.70	2.86	29.74
Cumberland	1	1.94	3.30	3.24	2.86	1.85	3.49	3.77	5.63	7.73	3.09	2.84	1.69	41.43
"	1	2.94	4.81	2.21	2.65	2.31	2.95	3.70	6.82	6.07	3.02	4.64	1.57	43.69
"	2	13.50	15.75	12.75	12.75	3.75	10.50	10.50	19.75	34.00	12.50	12.75	7.00	165.50
"	2	4.03	6.77	3.77	4.70	2.24	2.63	3.41	8.06	14.51	5.66	6.77	2.60	65.15
"	2	2.33	4.77	4.10	3.33	1.62	2.94	4.38	6.28	8.59	3.26	4.34	2.62	48.56
"	3	6.90	8.70	8.30	7.00	3.10	6.60	7.40	11.00	14.00	6.80	8.60	4.75	93.15
Westmorland	1	3.27	6.09	1.92	2.60	1.86	1.71	3.77	6.66	7.59	3.25	4.65	2.01	45.38
"	3	3.65	6.03	2.83	3.63	1.61	3.41	4.70	8.78	10.18	4.67	5.00	2.61	57.10
Monmouthshire	3	1.36	7.66	3.34	2.34	2.09	1.97	5.46	7.85	6.86	1.96	6.43	2.17	49.49
"	3	.88	7.00	2.55	2.17	2.28	1.13	5.03	5.50	3.79	1.61	5.68	2.13	39.75
Glamorgan	3	1.36	6.84	2.80	2.80	2.00	1.89	4.04	7.47	8.62	3.86	6.63	3.84	51.35
"	3	2.97	10.52	4.03	5.63	2.29	4.30	7.48	13.46	13.54	5.17	8.83	4.90	83.92
"	6	4.25	16.51	7.10	7.04	2.82	5.28	11.37	16.27	15.85	5.56	11.81	5.06	108.92
"	7	1.36	6.97	2.18	2.68	2.68	2.19	5.17	8.68	6.75	1.78	6.52	2.41	47.89
"	7	2.33	9.25	3.36	4.69	2.39	1.98	5.63	8.38	10.11	3.91	7.48	4.36	64.87
Carmarthenshire	2	1.91	10.32	4.20	5.27	2.81	2.32	6.28	12.12	11.58	3.88	8.44	5.33	74.46
"	2	1.44	8.16	2.33	2.13	1.75	1.87	3.80	7.64	7.53	3.94	6.62	3.92	51.13
Pembrokeshire	4	1.99	7.71	2.65	2.49	1.27	1.93	3.92	8.61	7.89	3.59	6.68	4.60	53.33
"	4	1.16	5.07	1.50	2.90	1.33	2.49	4.30	8.21	5.79	3.45	5.41	3.16	44.77
Cardiganshire	2	1.36	5.64	1.52	3.73	.91	2.38	3.07	8.33	7.80	5.20	5.49	3.41	49.04
"	2	4.10	12.80	4.40	8.40	2.00	4.10	7.20	12.10	18.30	7.40	10.70	6.40	97.90
"	2	1.26	7.35	2.99	2.97	2.78	1.25	2.35	6.47	7.31	3.61	6.39	4.98	49.71
Brecknockshire	7	2.75	10.82	5.03	5.18	2.84	1.73	7.93	12.27	10.11	4.45	9.30	4.44	78.84
Radnorshire	1	2.97	10.29	2.99	5.11	1.73	1.73	4.68	8.17	9.89	3.54	8.80	4.52	64.42
Montgomeryshire	1	5.41	10.51	5.09	10.00	.67	6.19	7.63	12.64	16.35	6.38	9.13	7.77	97.77
"	4	1.09	7.52	1.69	3.26	1.68	1.36	2.64	5.77	6.24	2.25	4.97	2.43	40.90

Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Montgomeryshire .5	Welshpool (County School)	in. .90	6.24	1.50	3.55	1.20	1.11	3.31	5.65	4.75	1.87	3.82	2.35	36.25
"5	Lake Vyrnwy (Experimental Station)	3.46	13.18	3.34	6.47	1.73	2.40	6.22	8.48	12.21	5.01	6.94	5.08	74.52
Flintshire5	Lake Vyrnwy	3.24	13.13	3.34	5.39	1.63	2.28	5.84	8.22	11.55	4.81	7.00	5.19	71.41
"1	Hawarden Airfield	37	4.55	.90	2.78	.79	1.28	1.75	5.29	3.64	1.94	3.37	2.61	29.27
"2	Bodfari (Nantlys) . . . . .	.74	4.51	1.03	3.11	.67	1.06	2.01	3.48	4.10	2.43	3.72	2.70	29.56
Denbighshire1	Wrexham W.W. (Pack Saddle Res.)	1.29	6.15	1.92	4.20	1.30	.96	2.38	4.34	4.81	2.65	4.56	2.72	37.28
Merionethshire4	Blaenau Ffestiniog (Oakeley Quarry)	8.73	13.30	6.89	11.26	2.20	9.15	9.08	20.00	22.14	11.66	11.14	6.06	131.61
"2	Dolgelly (Borthnwg)	1.59	7.09	2.78	5.55	.70	4.08	4.34	11.18	12.75	5.10	5.66	5.08	65.90
Caernarvonshire4	Llandudno (Cricket Ground)	1.00	5.29	1.14	2.31	.50	1.24	1.48	3.97	4.62	2.56	3.85	3.04	31.00
"5	Pwllheli (West End)	1.35	5.57	3.25	2.87	.88	1.30	2.88	5.18	7.29	4.28	4.63	4.02	42.90
Anglesey5	Snowdon (Cwm Dyli)	9.67	15.83	8.33	11.26	2.39	8.91	9.80	17.12	27.12	11.69	11.99	9.17	143.28
"5	Holyhead (Valley Airfield) . . . . .	.92	4.85	2.14	2.60	.62	1.32	2.26	3.98	6.89	3.15	3.68	3.43	35.84
Isle of Man5	Llanerchymedd (Llwydiarth Esgob)	1.68	5.07	2.15	3.11	.74	1.81	2.38	6.34	8.96	3.83	4.69	4.38	45.74
"5	Douglas (Borough Cemetery)	2.38	4.68	3.54	4.34	1.17	1.32	3.05	7.21	10.38	4.18	4.78	3.80	50.83
"5	Point of Ayre	1.72	3.87	2.64	2.56	1.59	1.17	2.19	5.24	5.86	3.50	3.66	2.09	36.09
Wigtownshire1	Castle Kennedy (Lochinch)	2.18	4.06	2.92	3.23	1.64	3.47	3.71	4.88	9.64	4.07	3.53	2.84	46.17
"3	Port William (Monreith)	2.27	3.75	2.83	2.83	1.77	2.54	3.06	6.23	8.14	3.60	3.06	2.00	42.08
"3	Kirkcubright (Craighlaw)	3.53	4.34	3.77	4.19	2.18	3.61	2.93	6.01	9.44	5.54	3.39	2.30	51.23
Kirkcudbrightshire4	Mossdale (Hensol)	3.14	5.07	5.48	4.53	1.80	3.27	5.15	7.75	11.25	4.96	3.90	2.48	58.78
"5	Lochnutton (Dumfries Waterworks)	2.66	3.96	5.07	3.81	2.59	4.27	4.08	7.60	10.81	3.39	3.90	2.26	54.40
Dumfriesshire3	Dumfries (Crichton Royal Inst.)	2.39	3.02	4.33	3.36	1.98	2.77	4.30	6.52	8.47	2.55	2.90	1.90	44.49
"5	Canonbie (Irvine House)	3.21	3.94	3.95	3.32	1.88	4.85	4.91	6.87	9.63	3.91	3.50	1.94	51.91
"5	Eskdalemuir Observatory	4.74	6.37	6.84	6.18	2.26	5.19	6.01	8.13	12.16	4.66	4.84	2.50	69.88
Roxburghshire3	Craighall	1.60	3.16	1.26	1.90	1.19	1.94	2.70	2.84	3.94	1.56	4.18	1.48	27.75
"7	Kelso (Floors)	1.37	3.07	1.67	1.71	1.19	1.72	2.39	3.04	4.31	1.50	4.54	1.27	27.78
Peeblesshire1	Edinburgh W.W. (Victoria Lodge)	3.15	5.49	5.18	4.00	1.69	3.53	5.06	6.12	10.49	4.41	5.01	2.24	56.37
"2	Stobo Castle	2.35	4.49	3.57	3.57	1.82	2.82	3.73	3.75	7.17	2.91	3.82	2.32	42.32
Berwickshire4	Marchmont House	1.32	2.57	1.80	2.55	1.55	2.60	2.71	7.72	4.16	1.69	6.05	1.91	31.63
East Lothian5	North Berwick Reservoir . . . . .	.61	1.72	2.07	1.57	1.66	2.70	2.76	2.23	4.56	1.71	3.49	1.48	26.56
Midlothian4	Moortfoot Hills (Gladhouse Res.)	1.75	3.85	2.69	3.13	2.31	2.14	3.30	2.82	6.01	2.65	4.93	1.78	37.36
"5	Pentlands Hills (Morton)	2.20	4.19	2.88	3.32	2.09	2.05	4.36	3.51	7.05	3.10	4.02	2.03	41.70
"5	Edinburgh (Blackford Hill)	1.26	2.68	2.20	1.98	1.89	1.69	3.11	2.32	4.75	2.07	3.37	1.56	28.88
"4	Gartcosh (Gartloch Hospital)	2.77	4.16	3.14	2.67	1.10	2.17	4.92	5.28	8.41	2.57	2.71	1.82	41.72
Lanarkshire5	Strathaven (Glengavel Reservoir)	4.52	5.72	4.68	6.23	2.31	4.05	6.44	6.68	13.95	6.14	5.39	2.36	68.47

SCOTLAND

Table 8c Monthly Rainfall—SCOTLAND (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Lanarkshire	Hamilton W.W. (Townhill)	2.73	4.47	3.46	3.80	1.55	1.40	4.37	5.29	7.84	3.13	2.82	1.65	42.51
Ayrshire	Kilmarnock (Springhill House)	2.79	3.63	3.37	3.20	1.66	2.33	5.00	5.11	9.80	3.01	3.40	1.60	44.90
"	Maybole (Otterden)	3.68	3.23	2.81	4.30	2.22	2.53	5.33	3.85	9.33	4.33	3.62	1.47	46.70
"	Colmonell (Knockdolian)	2.48	3.38	2.14	3.21	1.95	2.58	3.43	5.01	11.33	4.63	4.39	2.57	47.10
"	Glen Afton (Ayr Sanatorium)	5.16	5.79	4.40	4.53	1.82	3.42	5.38	5.37	12.49	5.15	5.24	2.80	61.55
Renfrewshire	Glasgow (Queen's Park)	2.71	4.18	2.58	3.15	1.33	1.74	5.68	4.66	8.03	3.23	2.65	1.59	41.53
"	Greenock (Prospect Hill)	5.45	7.24	4.02	4.18	1.57	2.21	5.96	7.43	10.10	7.19	4.93	2.07	62.35
Stirlingshire	Falkirk (Arncliffe)	3.08	4.06	2.66	2.75	1.70	2.14	5.29	3.76	7.22	3.18	3.64	1.80	41.28
Buteshire	Rothsay (Ardencraig)	3.61	4.78	3.31	4.04	1.44	2.65	6.40	5.70	11.43	7.35	5.42	2.11	58.24
"	Dougarie Lodge	3.51	3.99	2.11	4.17	2.00	2.01	5.93	5.36	10.35	5.28	4.14	1.98	50.83
Argyllshire	Morvern (Drimnin)	5.83	5.35	3.89	5.06	1.99	4.24	6.97	8.01	14.42	8.71	6.39	4.40	75.26
"	Morvern (Kingairloch)	10.83	9.66	8.44	9.65	3.85	7.39	13.03	13.38	19.40	14.09	9.49	6.64	125.55
"	Glenleven (Kinlochleven)	8.70	9.59	7.47	9.46	3.56	6.98	8.15	8.90	14.82	12.43	5.67	3.98	99.71
"	Oban	6.29	7.39	3.57	4.17	1.98	5.18	5.26	6.34	9.86	8.09	5.60	2.84	66.57
"	Lochgilphhead (Poltalloch)	4.78	6.49	2.63	3.87	1.91	3.50	8.75	6.82	12.50	6.32	4.85	2.96	65.38
"	West Loch Tarbert (Dunmore)	3.69	3.43	2.45	4.24	2.06	3.02	5.83	5.09	10.09	6.06	5.63	2.04	53.63
"	Monybacach (Skipness)	4.56	5.09	2.80	4.94	2.27	2.76	5.20	5.13	12.45	6.71	4.97	2.45	59.33
"	Ardishaig (Canal Office)	7.27	7.69	3.88	5.29	1.92	3.83	7.45	7.78	14.10	9.08	6.66	3.25	78.20
"	Inveraray Castle Gardens	7.81	9.70	5.32	6.95	2.52	4.66	8.63	7.63	17.80	11.16	6.37	3.12	91.67
"	Loch Eck (Benmore)	8.63	9.55	6.19	6.55	2.47	3.85	9.09	9.02	19.07	12.36	5.99	4.18	96.95
"	Islay (Eallabus)	5.07	5.36	2.36	4.12	2.75	3.19	6.75	5.95	10.43	7.04	4.01	3.54	60.57
"	Colonsay	5.04	6.13	2.87	3.72	1.90	3.31	7.42	5.40	11.22	7.28	5.28	4.09	63.66
"	Seil (An Cala)	6.00	6.65	4.72	4.44	1.64	5.45	8.46	7.76	10.90	7.80	5.69	3.24	72.75
"	Mull (Gruline)	7.32	7.50	6.00	6.65	2.65	5.30	8.41	11.73	14.71	11.07	7.79	6.20	95.33
"	Tiree Airport	3.83	5.16	3.35	3.42	1.26	2.91	6.91	4.88	9.15	6.90	4.68	4.11	56.56
"	Loch Leven Sluice	2.73	3.09	2.97	2.59	1.89	2.17	4.82	4.19	7.31	3.02	4.43	1.90	41.11
Kinross-shire	Leuchars Airfield	1.23	1.81	2.39	1.24	1.91	1.18	3.37	2.45	5.87	1.58	3.35	1.03	27.41
Fife-shire	Loch Dhu	7.05	9.43	6.65	5.41	2.53	2.72	10.12	9.24	16.06	9.32	5.64	3.37	87.54
Perthshire	Glengyle	7.74	11.89	6.50	6.94	3.45	4.20	10.68	10.06	17.17	11.93	6.92	3.23	100.71
"	Glendevon (Frandy)	4.64	6.23	4.34	4.40	2.63	2.25	7.20	8.05	11.25	5.92	6.62	2.58	66.11
"	Lochearnhead (Ardloch)	5.76	8.42	4.08	4.65	2.58	2.27	7.23	8.87	10.70	7.09	5.05	2.50	69.20
"	Crieff (Strathearn Hydro)	2.49	3.99	2.72	2.48	1.46	2.35	4.95	7.03	8.01	2.73	2.35	1.92	42.48
"	Aberfeldy (Tigh'n Eilean)	3.09	5.22	1.79	2.36	1.47	1.35	5.67	4.24	5.79	2.51	3.64	1.65	38.78
"	Loch Rannoch (Power House)	4.05	6.66	2.31	4.04	1.64	2.51	5.24	5.63	7.85	5.23	4.08	2.29	51.53
"	Fincastle House	3.27	5.15	2.09	2.70	1.49	1.39	4.74	5.11	5.83	2.31	2.82	2.05	38.95
"	Kirkmichael (Ballintuin House)	2.87	3.04	2.23	2.82	1.62	1.49	5.34	5.60	6.41	2.32	3.50	2.12	39.36
"	Dundee (Clatto Reservoir)	1.53	2.09	1.85	1.18	1.46	1.61	3.87	4.17	5.69	1.09	3.27	1.30	29.11
Angus	Arbroath (Springfield Park)	1.00	1.89	2.11	1.33	1.33	.81	3.09	2.09	4.57	1.35	2.77	.89	23.23

Table 8c Monthly Rainfall—SCOTLAND (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Angus	Forfar W.W. (Den of Ogil)	2.52	3.46	2.48	2.62	2.01	1.09	5.49	5.85	7.78	1.64	3.54	1.27	39.75
"	Montrose (Sunnyside Asylum)	1.54	2.21	2.09	1.27	1.31	1.21	3.83	3.13	5.96	1.34	3.15	1.42	28.46
Kincardineshire	Strachan (Bridge of Dye)	1.85	3.24	3.39	2.34	1.93	1.22	4.77	3.84	7.91	1.67	5.33	2.63	40.12
Aberdeenshire	Braemar (Bank)	1.74	3.99	2.27	4.11	1.43	1.20	4.26	3.58	6.62	2.02	3.51	1.84	36.57
"	Lumphanan	1.54	2.97	2.20	2.40	1.03	.66	4.28	2.71	5.23	.80	3.65	2.13	29.60
"	Dyce (Craibstone)	2.37	3.40	2.82	1.90	1.44	1.80	4.43	3.18	6.10	2.02	3.96	2.38	35.80
"	Haddo House	2.14	3.12	3.11	2.01	1.31	2.14	4.93	2.79	6.27	1.85	4.36	3.33	37.36
"	Fyvie Castle	2.55	3.65	3.61	2.18	1.62	2.30	3.94	2.60	5.34	1.25	5.13	1.84	36.01
"	Peterhead (Forehill Works)	1.93	3.59	3.59	2.09	1.30	2.26	3.51	2.01	4.66	2.47	4.17	3.17	35.05
Banffshire	Turriff (Forglen Gardens)	2.33	3.94	3.12	2.63	1.19	2.22	3.86	2.33	6.67	1.77	5.11	3.55	38.72
"	Ballindalloch	1.35	2.43	1.58	4.22	1.43	2.52	2.75	2.05	7.28	1.55	4.98	3.74	35.88
Morayshire	Fochabers (Gordon Castle)	1.61	2.38	1.99	2.74	.83	1.97	2.79	1.92	6.22	1.08	3.47	3.09	30.09
Nairnshire	Nairn (Achareidh)	1.81	1.82	1.19	2.67	2.17	1.91	2.17	1.98	4.18	1.11	3.23	1.84	26.08
Inverness-shire	Dalwhinnie	4.79	5.81	3.61	4.25	1.61	2.30	4.49	5.29	8.70	5.11	4.57	2.53	53.06
"	Glenshero	4.17	7.27	3.18	5.36	1.44	2.91	3.46	4.50	8.94	4.86	4.15	3.50	53.74
"	Tomatin (Dalmigavie Lodge)	3.45	2.18	2.56	5.51	1.65	2.23	2.18	3.90	7.43	1.97	4.53	5.80	43.39
"	Loch Ness (Garthbeg)	4.07	5.55	2.34	5.03	1.33	2.54	2.91	3.45	7.49	4.10	5.50	3.33	47.64
"	Inverness (Culduthel Reservoir)	2.47	2.55	1.22	3.27	1.83	2.06	1.88	3.29	4.86	1.59	3.90	1.73	30.65
"	Loch Quoich (Glenquoich)	10.71	12.13	7.98	11.05	3.79	7.12	7.40	8.53	20.55	16.97	8.73	6.09	121.05
"	Loch Nevis (Inverie Gardens)	7.10	7.24	7.43	7.69	2.33	7.05	8.19	8.42	12.71	9.77	6.45	5.54	89.92
"	Arisaig House	6.15	4.76	4.90	4.94	1.85	6.06	6.04	8.15	12.10	7.60	5.90	4.60	73.05
"	Loch Ailort (Polnish)	7.14	6.32	6.00	6.49	2.28	5.75	7.07	7.46	13.09	8.63	6.31	6.33	82.87
"	Onich	8.26	9.64	6.31	8.11	2.54	8.20	11.06	8.85	15.55	9.92	5.74	3.78	97.96
"	Fort William (Teviot)	9.85	11.13	5.69	7.47	2.87	5.80	7.96	7.67	14.85	11.51	6.29	3.29	94.38
"	Isle of Eigg	5.11	5.68	4.44	3.98	2.45	5.10	6.96	5.39	12.16	8.16	7.22	3.47	70.12
"	Skye (Gruia)	5.19	7.45	7.39	6.59	2.40	6.45	8.09	9.73	15.93	11.16	9.66	6.84	96.88
"	Skye (Portree)	6.53	7.41	5.64	6.05	2.08	3.68	4.50	5.76	12.72	9.03	7.70	4.51	75.61
"	Skye (Duntulm, Kilmuir)	4.46	5.49	5.32	4.57	1.96	4.04	3.74	5.66	9.62	5.74	6.63	2.88	60.11
"	Vatersay Schoolhouse	3.92	4.52	4.77	4.11	1.94	3.25	5.50	4.73	8.74	7.51	5.19	4.75	58.93
"	Benbecula Airport	5.07	4.91	4.26	4.03	1.24	3.04	5.99	5.21	11.64	6.94	4.11	5.40	61.84
"	N. Harris (Amhuinsuidh Castle)	4.78	4.21	4.83	6.93	1.07	4.09	6.90	4.78	10.32	7.35	5.60	6.62	67.48
Ross and Cromarty	Fortrose	2.29	1.98	1.11	2.93	1.80	1.59	1.95	2.72	4.20	1.10	3.35	1.49	26.51
"	Muir of Ord (Fairburn)	4.58	3.93	1.17	5.69	1.74	1.74	3.68	3.55	7.22	4.80	4.38	2.40	44.88
"	Tain (Tarlogie House)	3.28	2.35	1.03	2.92	1.82	2.23	3.47	2.20	5.67	1.58	3.21	2.00	31.76
"	Inverbroom (Glackour)	6.09	5.26	3.45	8.71	1.35	4.12	2.78	4.54	14.12	6.69	5.15	5.61	67.87
"	Gairloch (Shieldaig Lodge)	5.43	4.76	4.27	3.75	1.46	4.53	3.64	5.05	8.45	6.76	4.54	4.84	57.48
"	Loch Duich (Inverinate)	8.22	7.78	5.77	8.49	2.84	7.36	5.05	9.35	14.10	9.21	6.91	6.99	92.07

Table 8c Monthly Rainfall—SCOTLAND (concluded)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Ross and Cromarty	Applecross Gardens	5.10	5.79	5.06	6.12	1.57	4.67	5.06	6.38	11.18	6.66	5.80	6.50	in.
"	Achnashellach	8.53	7.43	6.18	11.15	2.06	8.02	5.13	6.91	15.87	10.03	6.18	6.48	69.89
"	Stornoway Airport	3.55	3.87	3.44	4.87	.98	2.62	3.13	3.54	7.09	4.37	4.27	6.63	93.97
Sutherland	Strath Oykel (Rosehall)	4.81	2.25	2.05	3.88	1.91	2.36	5.07	2.30	6.34	2.51	3.54	2.27	48.36
"	Skerray (Borgie)	5.00	3.82	2.44	5.76	.82	2.93	4.52	1.67	8.71	3.31	5.78	3.43	39.29
"	Tongue	5.75	3.70	2.98	5.51	1.48	2.86	3.53	1.88	10.43	3.77	5.35	5.70	48.19
"	Cape Wrath	4.80	4.13	3.90	4.60	2.25	4.74	2.88	2.61	8.23	5.04	5.70	3.81	52.94
"	Loch More (Achfary)	7.10	7.17	5.97	12.85	3.47	8.82	5.32	6.32	19.35	10.40	7.87	8.04	52.69
"	Lochinver (Bank House)	4.79	4.81	3.09	4.46	1.40	4.60	3.06	3.46	11.39	6.09	5.55	4.36	102.68
Caithness	Clythness	3.55	2.25	2.23	3.03	.83	2.41	3.18	2.26	4.91	1.38	3.08	3.55	57.06
"	Wick Airport	3.47	1.90	2.61	2.44	.72	1.96	3.56	3.44	4.81	1.75	4.11	4.56	32.66
Orkney	Stenness	5.40	3.11	2.84	3.13	.87	4.01	1.96	2.52	5.70	2.77	5.05	3.47	35.33
Shetland	Lerwick Observatory	4.14	5.09	3.36	2.71	1.40	4.01	3.49	4.37	5.58	6.13	4.98	3.27	40.83
"	Bixter (Vementry)	4.00	4.32	2.73	3.38	1.16	3.28	3.32	3.79	4.73	5.08	4.01	3.04	48.53
"														42.84

NORTHERN IRELAND

Fermanagh	Newtownbutler (Crom Castle)	1.84	4.01	2.43	4.80	1.18	2.35	5.50	5.94	6.97	2.98	2.59	2.98	43.57
"	Belleek (Roscor)	3.74	4.95	2.47	5.10	1.61	3.31	8.01	7.33	9.95	4.43	3.40	3.94	58.24
Armagh	Markethill (Whitecross)	2.07	4.73	1.73	4.95	1.14	2.35	5.64	6.53	7.30	3.39	3.55	3.29	46.67
"	Armagh Observatory	1.75	2.78	1.08	4.05	.85	2.83	4.75	5.30	5.57	3.63	2.63	2.67	37.89
Down	Newry (Bridge Street House)	1.74	4.39	2.01	3.74	1.21	1.66	3.70	5.32	4.72	4.40	3.94	3.12	39.95
"	Silent Valley (Belfast Waterworks)	1.50	6.82	3.52	4.74	1.56	2.30	5.79	7.30	8.68	4.54	3.72	2.58	53.05
"	Seaford	1.28	4.27	1.91	3.58	1.14	1.95	6.23	5.68	6.23	4.12	2.92	3.04	42.35
"	Donaghadee (Orloch Reservoir)	1.12	2.43	1.40	2.46	1.08	1.58	3.20	5.49	5.00	3.51	2.44	2.90	32.61
Antrim	Belfast (Queen's University)	1.55	3.76	1.49	3.96	1.37	2.34	5.35	5.05	6.21	2.58	2.84	2.45	38.95
"	Carrickfergus (Copeland)	1.86	3.98	2.00	4.31	1.79	2.62	5.27	5.39	7.09	2.86	3.13	2.73	43.03
"	Larne (Sallagh Springs)	2.24	4.28	2.19	5.25	1.90	2.06	6.65	6.32	8.48	3.07	3.25	4.29	49.98
"	Ballycastle (Coolgreany)	3.15	2.41	1.83	4.37	1.22	2.24	5.54	5.00	7.39	3.71	3.23	5.25	45.34
"	Aldergrove Airfield	1.23	2.72	1.31	3.68	1.22	2.37	6.09	4.02	5.98	2.71	2.31	3.91	37.55
"	Ballymena (Harryville)	2.20	3.18	1.86	4.90	1.92	2.70	8.93	6.37	8.69	3.51	2.83	4.21	51.30
Londonderry	Garvaghy (Moneydig)	3.32	2.98	2.12	5.68	1.50	2.70	6.21	5.28	8.26	4.43	2.86	5.28	50.62
"	Coleraine (Ingledene)	4.22	2.43	1.85	4.80	1.70	2.88	6.48	5.13	7.55	4.43	3.36	5.31	50.14
"	Glendra Lodge	4.85	4.29	2.80	6.78	2.74	3.28	8.73	7.55	9.59	6.85	5.00	6.10	68.56
"	Londonderry (Creggan Reservoir)	4.42	3.60	2.31	5.75	1.64	2.58	6.55	4.61	8.41	4.30	3.37	5.17	52.71
"	Castlecaulfield (Parkanaur)	1.86	3.64	2.14	5.26	1.41	2.66	6.82	5.79	7.42	4.75	3.32	2.35	47.42
Tyrone	Omagh (Edenfel)	2.73	3.47	2.42	4.69	1.32	3.10	5.62	6.16	8.86	4.22	3.54	3.77	49.90
"	Sion Mills (Sion House)	3.36	3.50	2.64	4.77	1.64	2.35	6.59	4.97	7.81	5.58	3.98	3.42	50.61

Table 8D Monthly Rainfall in 1950 ; the Average, 1881-1915, being taken as 100

County and River Division	Station	Jan.	Feb.	Mar.	April	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
London	St. Pancras (Camden Square)	% 54	% 198	% 29	% 138	% 81	% 67	% 133	% 116	% 136	% 16	% 201	% 67	% 101
Kent	Folkestone (Cherry Garden)	68	197	50	172	76	48	142	110	110	25	242	92	109
"	Edenbridge (Falconhurst)	51	268	56	189	87	53	119	91	131	5	203	76	106
Sussex	Compton (Compton House)	45	254	93	144	65	82	149	127	166	18	204	65	113
"	Worthing (Beach House Park)	42	219	64	124	64	33	135	108	145	19	179	70	98
Hampshire	Ventnor (Royal National Hospital)	67	240	62	121	102	48	216	141	152	27	176	78	114
"	Sherborne St. John	31	203	53	145	69	58	217	158	143	13	189	49	105
Hertfordshire	Royston (Therfield Rectory)	60	210	26	113	124	62	225	147	154	15	199	52	115
Buckinghamshire	Slough (Upton)	38	227	37	156	102	82	215	158	140	17	219	71	117
Oxfordshire	Oxford (Radcliffe Met. Station)	30	250	53	134	117	69	225	134	167	17	192	53	116
Northamptonshire	Wellingborough (Swanspool)	38	230	40	128	163	97	144	71	200	24	177	61	110
Cambridgeshire	March	71	249	29	190	175	93	214	74	146	19	183	55	119
Essex	Hatfield Broad Oak (Barrington)	77	229	32	131	104	106	139	69	185	14	197	74	109
"	Shoeburyness	104	198	43	118	156	60	114	92	142	10	177	91	105
"	Dovercourt	116	165	27	113	101	58	123	96	141	13	181	80	99
Suffolk	Lowestoft (Secondary School)	75	164	21	137	135	96	112	72	132	44	154	106	102
"	Bury St. Edmunds (Westley Hall)	73	204	22	122	132	82	116	66	161	17	190	65	99
Norfolk	Sandringham House Gardens	48	241	39	149	117	109	142	172	152	45	180	73	119
Wiltshire	Porton (C.D.E.E.)	26	269	61	166	123	48	214	185	216	33	223	57	128
"	Aldbourne (Manor House)	31	261	56	140	108	77	199	126	191	27	228	68	122
Dorset	Creech Grange	32	195	68	129	83	63	278	122	182	29	165	81	112
"	Beaminster (East Street)	19	234	94	119	75	42	201	177	196	37	175	70	116
Devonshire, South	Teignmouth (Den Gardens)	33	241	60	80	218	35	175	146	182	34	180	85	116
"	Cullompton	26	220	76	122	92	63	204	188	212	50	221	90	127
Devonshire, North	Ilfracombe (Bowling Green)	44	252	72	112	74	65	133	220	275	48	183	100	130
"	Okehampton (Uplands)	41	236	68	114	115	123	167	180	251	32	207	72	125
Cornwall	Bude (School House)	42	197	57	122	109	73	120	217	232	57	216	96	127
"	Penzance (Morrah Gardens)	60	219	81	98	106	61	143	212	207	52	183	102	126
"	St. Austell (Poltair Public Gardens)	67	222	72	106	89	68	132	201	223	50	199	110	128
"	Scilly (Tresco Abbey)	42	236	61	61	137	117	151	157	174	69	163	87	118
Gloucestershire	Cirencester (Somerford Road)	28	290	68	143	135	73	145	158	229	26	201	55	124
Herefordshire	Vowchurch (Ladywell House)	28	219	60	87	86	52	129	136	175	37	164	44	97
Shropshire	Church Stretton (Sewage Works)	32	235	50	121	56	52	117	163	244	44	162	71	108
"	Shrewsbury (Monkmoor)	33	275	85	195	52	68	106	120	230	52	150	82	113
Worcestershire	Malvern (Free Library)	20	259	76	111	101	91	139	125	183	29	171	65	109
Warwickshire	Leamington Spa (Pump Room Gds.)	20	252	94	140	131	88	115	113	175	22	166	53	109
"	Birmingham (Edgbaston)	37	312	82	113	75	95	127	118	271	28	192	62	119
Leicestershire	Thornton Reservoir	36	253	47	97	92	75	91	93	174	32	160	50	94

Table 8D Monthly Rainfall in 1950 ; the Average, 1881-1915, being taken as 100 (continued)

County and River Division	Station	Jan.	Feb.	Mar.	April	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Lincolnshire	Boston (Black Sluice, Skirbeck) ...	% 62	% 219	% 38	% 131	% 191	% 75	% 121	% 76	% 212	% 34	% 201	% 62	% 113
"	Skegness (Marine Gardens)	% 62	% 223	% 23	% 178	% 117	% 57	% 169	% 114	% 163	% 35	% 197	% 50	% 112
Nottinghamshire	Mansfield (Carr Bank) ..	% 35	% 237	% 47	% 136	% 79	% 50	% 67	% 133	% 205	% 29	% 179	% 56	% 99
Derbyshire	Buxton (Terrace Slopes)	% 71	% 190	% 60	% 164	% 50	% 89	% 88	% 110	% 198	% 61	% 145	% 73	% 104
Cheshire	Birkenhead (Bidston Observatory) ..	% 34	% 239	% 68	% 172	% 38	% 62	% 75	% 181	% 200	% 61	% 176	% 116	% 117
Lancashire, South	Manchester (Whitworth Park)	% 72	% 210	% 81	% 163	% 69	% 115	% 95	% 154	% 189	% 73	% 168	% 108	% 122
Lancashire, Central	Squires Gate (Blackpool Airport) ..	% 57	% 161	% 65	% 128	% 45	% 73	% 99	% 193	% 228	% 73	% 108	% 95	% 112
"	Stonyhurst College	% 105	% 156	% 54	% 145	% 53	% 111	% 113	% 176	% 189	% 86	% 162	% 65	% 119
Lancashire, North	Garstang (Grizedale Reservoir)	% 74	% 154	% 68	% 97	% 45	% 135	% 127	% 169	% 213	% 86	% 112	% 66	% 114
Yorkshire, W.R.	Wakefield (Clarence Park)	% 73	% 249	% 97	% 155	% 108	% 43	% 65	% 143	% 155	% 38	% 193	% 56	% 108
"	Hull (Pearson Park)	% 69	% 217	% 59	% 160	% 119	% 77	% 128	% 154	% 156	% 37	% 217	% 108	% 122
"	Felixkirk (Mount St. John)	% 75	% 189	% 52	% 114	% 58	% 89	% 124	% 158	% 183	% 38	% 184	% 127	% 115
"	York (Museum)	% 78	% 223	% 58	% 165	% 85	% 54	% 76	% 193	% 163	% 45	% 159	% 82	% 111
"	Scarborough	% 65	% 183	% 46	% 161	% 85	% 83	% 106	% 138	% 133	% 39	% 167	% 192	% 115
"	Middlesbrough (Albert Park)	% 73	% 189	% 43	% 137	% 73	% 78	% 112	% 170	% 140	% 33	% 258	% 149	% 119
"	Baldersdale (Hury Reservoir)	% 64	% 224	% 49	% 120	% 81	% 65	% 100	% 168	% 213	% 66	% 143	% 51	% 110
Northumberland	Newcastle (Leazes Park)	% 73	% 234	% 26	% 123	% 91	% 64	% 128	% 189	% 156	% 29	% 203	% 86	% 114
"	Beltingham (High Green)	% 83	% 174	% 43	% 114	% 60	% 90	% 116	% 122	% 233	% 69	% 128	% 68	% 105
"	Ilderton (Lilburn Tower Gardens) ..	% 77	% 158	% 42	% 112	% 78	% 80	% 96	% 93	% 167	% 47	% 140	% 109	% 98
Cumberland	Geltsdale	% 105	% 185	% 79	% 124	% 89	% 109	% 107	% 165	% 217	% 81	% 141	% 41	% 119
"	Keswick (High Hill)	% 80	% 137	% 84	% 153	% 70	% 90	% 89	% 154	% 343	% 101	% 120	% 39	% 119
"	Ravenglass (The Grove)	% 70	% 155	% 133	% 134	% 58	% 113	% 117	% 138	% 255	% 75	% 97	% 57	% 114
Monmouthshire	Abergavenny (Larchfield)	% 26	% 220	% 84	% 86	% 85	% 46	% 202	% 185	% 162	% 38	% 149	% 48	% 106
Glamorgan	Ystalyfera (Wern House)	% 47	% 205	% 90	% 148	% 66	% 114	% 163	% 218	% 310	% 75	% 134	% 59	% 129
"	Cardiff (Penylan)	% 37	% 237	% 69	% 107	% 86	% 51	% 168	% 205	% 221	% 37	% 161	% 48	% 116
Carmarthenshire	Llanddeusant (Pontcrynfe)	% 44	% 205	% 70	% 151	% 73	% 93	% 141	% 162	% 275	% 66	% 132	% 64	% 117
Pembrokeshire	Tenby (The Priory)	% 38	% 282	% 75	% 93	% 76	% 78	% 129	% 200	% 239	% 80	% 153	% 78	% 125
Cardiganshire	Aberystwyth (Corporation Yard) ..	% 36	% 204	% 55	% 141	% 64	% 102	% 141	% 214	% 203	% 83	% 146	% 79	% 122
Radnorshire	Birmingham W.W. (Tymynydd) ..	% 47	% 196	% 56	% 139	% 50	% 53	% 114	% 152	% 256	% 54	% 132	% 55	% 104
Montgomeryshire	Lake Vyrnwy (Experimental Station)	% 59	% 288	% 74	% 204	% 54	% 75	% 175	% 159	% 338	% 86	% 121	% 72	% 134
Merionethshire	Blaenau Festiniog (Oakeley Quarry)	% 85	% 163	% 80	% 182	% 39	% 141	% 107	% 179	% 281	% 114	% 105	% 48	% 124
Caernarvonshire	Llandudno (Cricket Ground)	% 41	% 271	% 56	% 137	% 28	% 65	% 66	% 141	% 217	% 76	% 133	% 105	% 110
Anglesey	Llanerchymedd (Llwydiarth Esgob).	% 53	% 200	% 93	% 141	% 31	% 76	% 83	% 175	% 305	% 85	% 111	% 100	% 120
Isle of Man	Douglas (Borough Cemetery)	% 71	% 147	% 120	% 178	% 47	% 55	% 100	% 189	% 318	% 92	% 101	% 77	% 123
Wigtownshire	Port William (Monreith)	% 70	% 122	% 99	% 129	% 75	% 108	% 109	% 162	% 279	% 91	% 71	% 44	% 109
Dumfriesshire	Dumfries (Crichton Royal Inst.) ..	% 74	% 92	% 145	% 142	% 72	% 109	% 131	% 161	% 313	% 65	% 79	% 44	% 114
"	Eskdalemuir Observatory	% 88	% 129	% 140	% 182	% 68	% 165	% 147	% 158	% 329	% 86	% 83	% 36	% 124
Roxburghshire	Kelso (Floors)	% 78	% 181	% 86	% 109	% 62	% 82	% 91	% 103	% 227	% 52	% 197	% 55	% 107

Table 8D Monthly Rainfall in 1950 ; the Average, 1881-1915, being taken as 100 (continued)

County and River Division	Station	Jan.	Feb.	Mar.	April	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Peebles-shire	Stobo Castle	% 78	% 163	% 123	% 171	% 80	% 121	% 129	% 105	% 285	% 84	% 115	% 61	% 121
Berwickshire	Marchmont House	% 59	% 124	% 68	% 126	% 63	% 113	% 89	% 82	% 173	% 44	% 202	% 68	% 98
East Lothian	North Berwick Reservoir	% 35	% 110	% 110	% 112	% 83	% 163	% 107	% 71	% 218	% 58	% 156	% 69	% 105
Midlothian	Edinburgh (Blackford Hill)	% 72	% 161	% 112	% 135	% 92	% 85	% 110	% 72	% 232	% 76	% 150	% 67	% 110
Lanarkshire	Hamilton W.W. (Townhill)	% 83	% 154	% 124	% 203	% 65	% 64	% 152	% 155	% 293	% 96	% 79	% 38	% 120
Ayrshire	Colmonell (Knockdolian)	% 57	% 88	% 63	% 127	% 76	% 102	% 109	% 125	% 327	% 104	% 88	% 46	% 105
"	Glen Afton (Ayr Sanatorium)	% 101	% 132	% 105	% 151	% 61	% 114	% 128	% 99	% 320	% 101	% 95	% 44	% 116
Renfrewshire	Greenock (Prospect Hill)	% 84	% 136	% 86	% 122	% 48	% 71	% 161	% 145	% 225	% 142	% 81	% 28	% 107
Buteshire	Rothsay (Ardencraig)	% 80	% 119	% 92	% 136	% 48	% 86	% 162	% 117	% 282	% 167	% 107	% 39	% 119
Argyllshire	Morvern (Drimnin)	% 92	% 101	% 80	% 138	% 62	% 137	% 158	% 152	% 255	% 146	% 94	% 56	% 121
"	Lochgilthead (Poltalloch)	% 94	% 151	% 68	% 128	% 66	% 115	% 212	% 139	% 274	% 128	% 86	% 46	% 124
"	Inveraray Castle Gardens	% 95	% 143	% 84	% 151	% 64	% 118	% 173	% 116	% 277	% 159	% 75	% 31	% 119
"	Islay (Eallabus)	% 108	% 128	% 62	% 144	% 104	% 122	% 198	% 136	% 250	% 148	% 75	% 60	% 124
"	Tiree Airport	% 90	% 150	% 100	% 139	% 50	% 114	% 191	% 116	% 247	% 151	% 97	% 79	% 127
Kinross-shire	Loch Leven Sluice	% 87	% 109	% 99	% 135	% 77	% 99	% 167	% 109	% 284	% 88	% 123	% 48	% 115
Fifeshire	Leuchars Airfield	% 68	% 103	% 123	% 78	% 98	% 71	% 130	% 80	% 304	% 61	% 146	% 42	% 107
Perthshire	Loch Dhu	% 77	% 127	% 101	% 114	% 56	% 65	% 210	% 137	% 280	% 130	% 65	% 33	% 110
"	Grieff (Strathearn Hydro)	% 62	% 113	% 85	% 113	% 59	% 89	% 167	% 167	% 280	% 69	% 54	% 43	% 104
"	Fincastle House	% 93	% 175	% 76	% 121	% 70	% 67	% 176	% 144	% 232	% 71	% 76	% 51	% 110
Angus	Montrose (Sunnyside Asylum)	% 77	% 120	% 100	% 70	% 64	% 73	% 146	% 112	% 300	% 49	% 119	% 51	% 105
Aberdeenshire	Braemar (Bank)	% 55	% 140	% 76	% 173	% 60	% 61	% 166	% 105	% 264	% 54	% 91	% 52	% 103
"	Dyce (Craibstone)	% 100	% 148	% 106	% 92	% 56	% 96	% 146	% 105	% 252	% 60	% 121	% 70	% 111
"	Fyvie Castle	% 107	% 163	% 133	% 102	% 63	% 110	% 121	% 82	% 205	% 33	% 148	% 54	% 106
Morayshire	Fochabers (Gordon Castle)	% 80	% 124	% 86	% 157	% 39	% 97	% 87	% 61	% 198	% 48	% 144	% 90	% 109
Nairnshire	Nairn (Achareidh)	% 100	% 112	% 65	% 191	% 122	% 108	% 85	% 113	% 253	% 119	% 87	% 61	% 117
Inverness-shire	Glenshero	% 78	% 176	% 87	% 202	% 54	% 129	% 114	% 106	% 242	% 115	% 132	% 72	% 119
"	Loch Ness (Garthbeg)	% 92	% 161	% 70	% 221	% 53	% 111	% 92	% 106	% 242	% 115	% 132	% 72	% 119
"	Loch Quoich (Glenquoich)	% 78	% 117	% 82	% 170	% 69	% 145	% 115	% 104	% 238	% 170	% 72	% 42	% 109
"	Onich	% 95	% 142	% 96	% 181	% 64	% 212	% 213	% 132	% 248	% 153	% 68	% 38	% 127
"	Fort William (Teviot)	% 102	% 148	% 85	% 166	% 73	% 163	% 163	% 123	% 232	% 162	% 77	% 31	% 120
"	Skye (Duntulm, Kilmuir)	% 84	% 119	% 121	% 141	% 69	% 155	% 100	% 127	% 209	% 105	% 111	% 46	% 112
Ross and Cromarty	Tain (Tarlogie House)	% 134	% 103	% 46	% 160	% 88	% 121	% 127	% 81	% 248	% 57	% 108	% 70	% 110
"	Inverbroom (Glackour)	% 113	% 103	% 69	% 234	% 45	% 146	% 75	% 109	% 320	% 119	% 83	% 76	% 120
"	Applecross Gardens	% 93	% 115	% 109	% 179	% 49	% 163	% 127	% 135	% 224	% 112	% 90	% 101	% 122
"	Achnashellach	% 94	% 108	% 91	% 208	% 49	% 213	% 105	% 110	% 231	% 132	% 72	% 68	% 118
"	Stornoway Airport	% 72	% 91	% 88	% 169	% 40	% 119	% 109	% 94	% 189	% 89	% 77	% 112	% 102
Sutherland	Loch More (Achfary)	% 98	% 109	% 93	% 265	% 79	% 238	% 99	% 108	% 337	% 133	% 92	% 87	% 135
Caithness	Wick Airport	% 141	% 84	% 115	% 123	% 35	% 109	% 135	% 125	% 192	% 59	% 131	% 148	% 118

Table 8D Monthly Rainfall in 1950 ; the Average, 1881-1915, being taken as 100 (*concluded*)

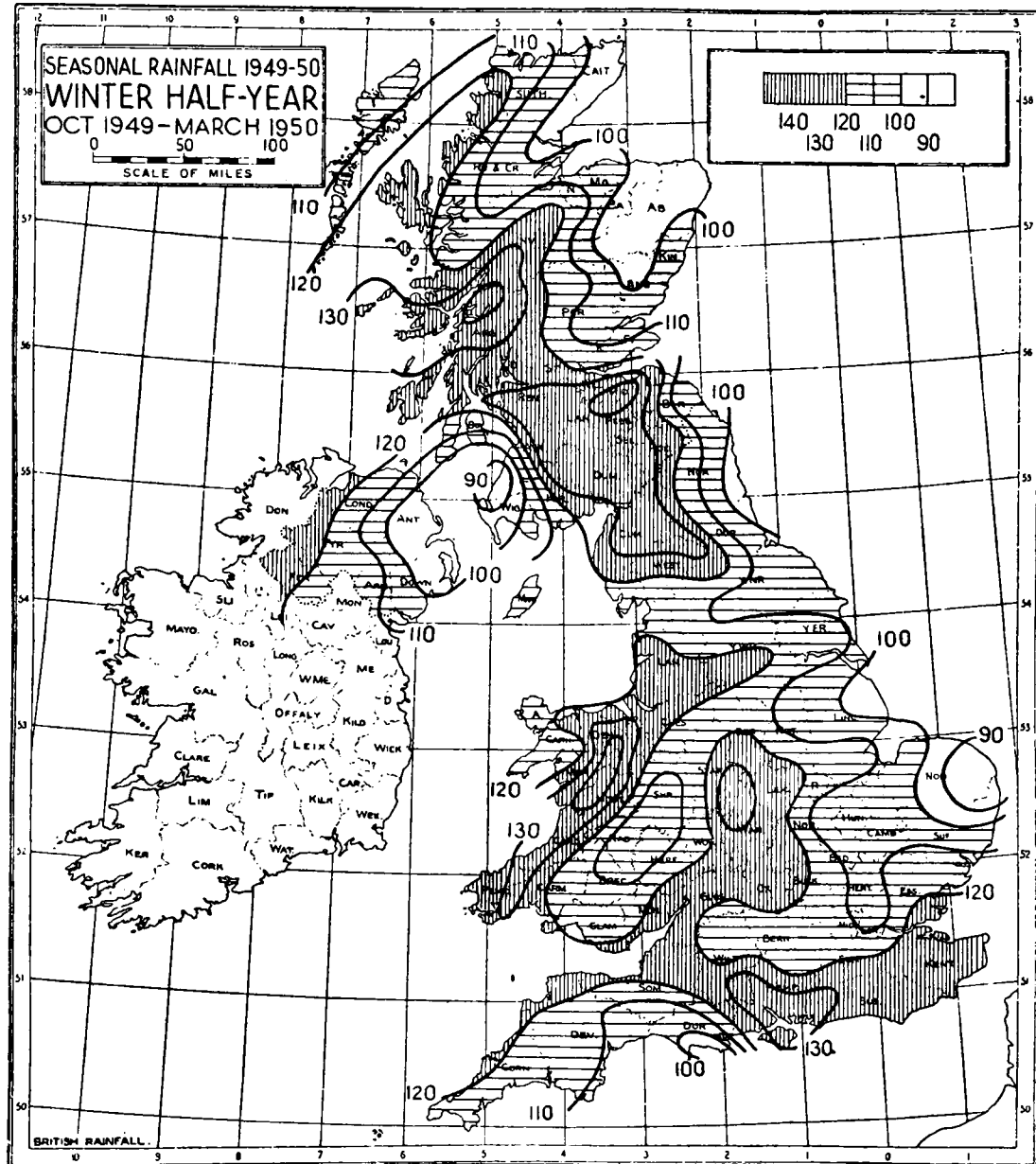
County and River Division	Station	Jan.	Feb.	Mar.	April	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Shetland	Lerwick Observatory	% 97	% 161	% 106	% 118	% 67	% 224	% 152	% 145	% 185	% 155	% 117	% 68	% 127
Fermanagh .....1	Newtownbutler (Crom Castle)	55	137	78	188	42	87	158	143	250	92	74	72	113
Armagh .....5	Armagh Observatory	69	125	46	193	36	112	164	146	226	133	93	85	119
Down .....2	Seaforde	41	140	65	137	43	71	195	151	227	116	77	74	111
Antrim .....5	Aldergrove Airfield	45	113	52	175	54	98	217	112	241	90	71	114	114
"5	Ballymena (Harryville)	59	99	59	186	69	93	260	149	279	95	70	95	124
Londonderry .....3	Garvagh (Moneydig)	97	95	68	233	59	106	192	135	278	125	73	132	130
"5	Londonderry (Creggan Reservoir) ..	123	113	72	224	63	91	179	99	255	117	82	118	126
Tyrone .....3	Omagh (Edenfel)	77	116	77	178	61	110	165	144	290	115	94	89	124
England	(General Mean* 60 Stations)	56	218	59	133	96	75	138	140	188	40	179	77	†
Wales	(" " 11 ")	47	225	73	139	59	81	135	181	255	72	134	69	..
England and Wales ..	(" " 71 ")	54	219	61	134	91	76	137	146	198	45	172	76	..
Scotland	(" " 43 ")	86	129	94	149	66	120	137	116	256	99	104	60	..
Northern Ireland	(" " 8 ")	71	117	65	189	52	96	191	135	256	110	79	97	..

* The 'General' values given in the last five rows are obtained by taking the means of the percentage values for the stations. † See Table 10A.

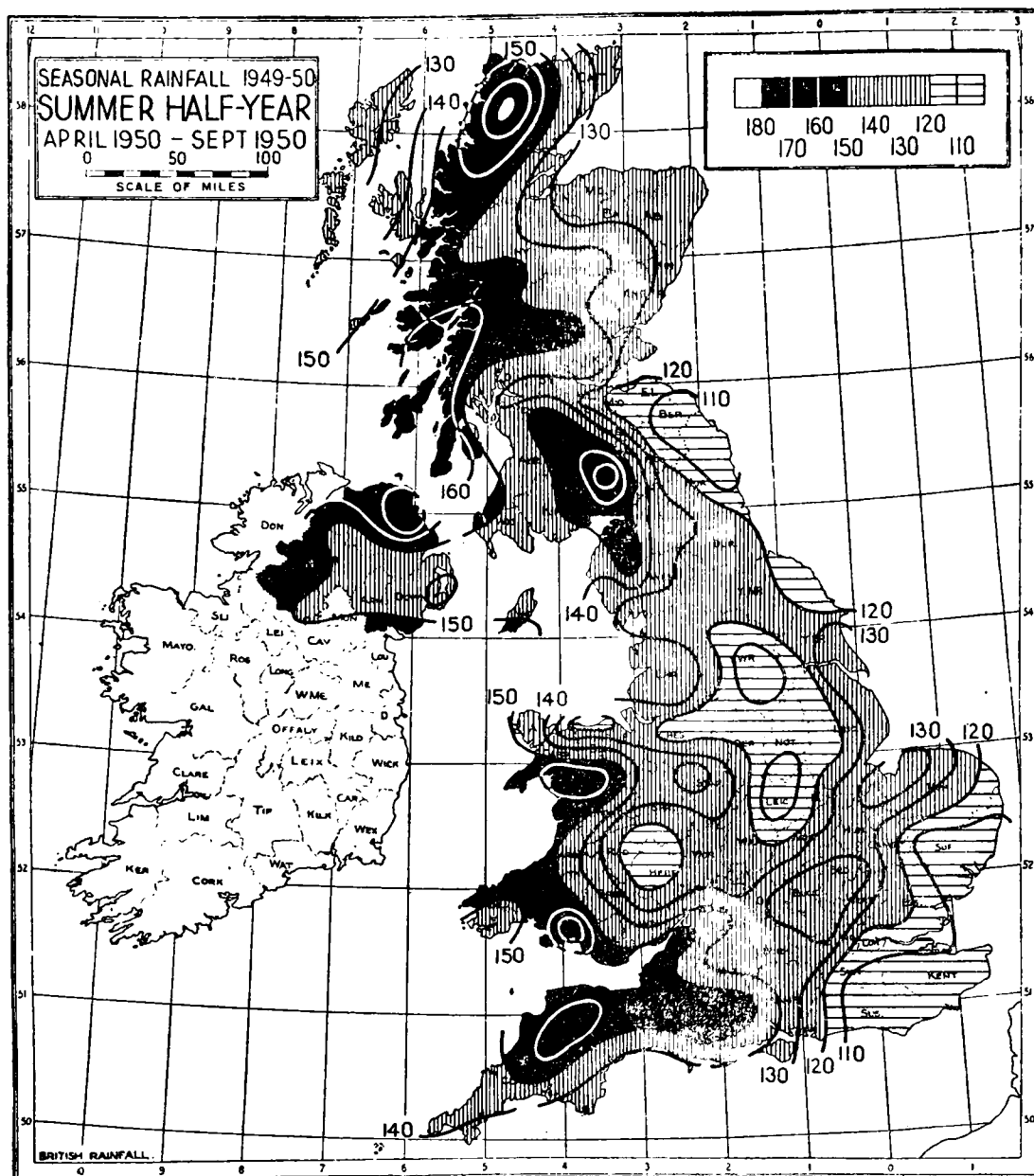
9 Seasonal Rainfall 1949-50

There are definite advantages in considering the rainfall of the winter and summer separately. One defect of the calendar year as a unit of time for rainfall purposes is that the early part of a winter is included in one calendar year and

the later part in another year. Winter rainfall has a special economic importance, for, except in the wettest areas, the summer rainfall is, for the most part, lost by evaporation or absorbed by vegetation.



Rainfall, Winter Half-year, as per cent of average



Rainfall, Summer Half-year, as per cent of average

In this section the rainfall of the winter season, October 1, 1949, to March 31, 1950, and of the summer season, April 1, 1950, to September 30, 1950, is dealt with, as well as the rainfall of the whole seasonal year, October 1, 1949, to September 30, 1950. It is usual to associate a summer season with the preceding rather than with the following winter season, since the water required in summer for replenishing streams and for the needs of animal and vegetable life is derived,

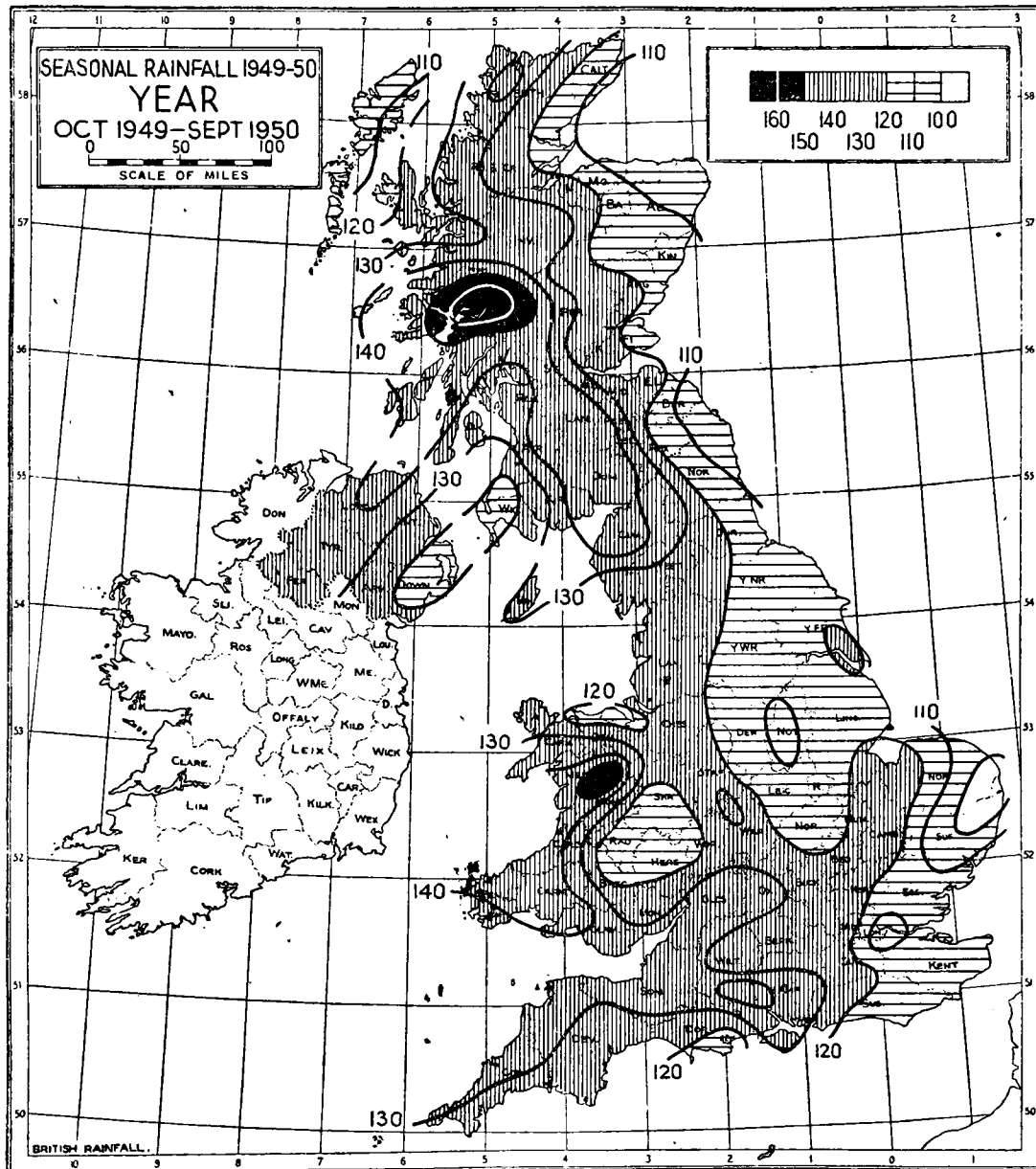
in part, from that which has been naturally stored during the previous winter season. One section of *British Rainfall* has been devoted to this subject since the volume for 1908, and three maps and Table 9A, similar to those introduced in that volume, are now reproduced.

Table 9A contains rainfall values for each of these two seasons as percentages of the average fall for the season at each station.

The table gives, in the fourth column, the corresponding percentages for each station for the whole of the seasonal year. These last figures are not always the mean of the percentages for the two seasons, but often show a bias towards the winter value rather than that of the summer. This is due to the fact that the average rainfall for the winter, is, in general, greater than that for the summer.

The stations in Table 9A are, as far as

possible, the same as those used in earlier volumes. The monthly percentage values for these stations are given in Table 8D and the monthly and annual values in inches are included in Table 8C. Seasonal percentage values for the larger divisions of the country are given in Table 9B. In *British Rainfall*, 1926, p. 125, values were given for the general rainfall over England and Wales and Scotland separately back to 1906-07 and the series has been continued in the annual volumes.



Rainfall, Seasonal Year, as per cent of average

Table 9A Seasonal Rainfall, 1949-50, as a Percentage of the Average, 1881-1915

Station†	Winter Oct. 1949 Mar. 1950	Summer Apr. 1950 Sep. 1950	Year Oct. 1949 Sep. 1950	Station†	Winter Oct. 1949 Mar. 1950	Summer Apr. 1950 Sep. 1950	Year Oct. 1949 Sep. 1950
St. Pancras (Camden Square) ...	104	112	107	Abergavenny (Larchfield) ...	120	129	124
Folkestone (Cherry Garden) ...	124	109	118	Ystalyfera (Wern House) ...	115	178	141
Edenbridge (Falconhurst) ...	126	108	118	Cardiff (Penylan) ...	119	150	132
Compton (Compton House) ...	134	124	130	Llanddeusant (Pontcrynfe) ...	117	153	131
Worthing (Beach House Park) ...	122	104	115	Tenby (The Priory) ...	135	146	140
Ventnor (Royal National Hospital) ...	135	133	134	Aberystwyth (Corporation Yard) ...	138	153	145
Sherborne St. John ...	112	133	121	Birmingham W.W. (Tyrmynydd) ...	110	132	118
Royston (Therfield Rectory) ...	108	141	124	Lake Vyrnwy (Experimental Station)	148	169	157
Slough (Upton) ...	118	142	129	Blaenau Festiniog (Oakeley Quarry)	119	161	137
Oxford (Radcliffe Met. Station) ...	124	142	132	Llandudno (Cricket Ground) ...	124	112	119
Wellingborough (Swanspool) ...	106	131	119	Llanerchymedd (Llwydiarth Esgob)	118	143	129
March ...	104	145	125	Douglas (Borough Cemetery) ...	113	157	132
Hatfield Broad Oak (Barrington) ...	116	120	118	Port William (Monreith) ...	106	149	124
Shoeburyness ...	124	111	118	Dumfries (Crichton Royal Institute)	133	155	143
Dovercourt ...	116	105	110	Eskdalemuir Observatory ...	132	175	149
Lowestoft (Secondary School) ...	85	112	98	Kelso (Floors) ...	127	110	117
Bury St. Edmunds (Westley Hall) ...	104	110	107	Stobo Castle ...	135	146	140
Sandringham House Gardens ...	102	142	121	Marchmont House ...	106	105	105
Porton (C.D.E.E.) ...	132	159	144	North Berwick Reservoir ...	124	120	122
Aldbourn (Manor House) ...	123	139	130	Edinburgh (Blackford Hill) ...	140	116	127
Creech Grange ...	98	146	116	Hamilton W.W. (Townhill) ...	130	157	142
Beaminster (East Street) ...	109	141	124	Colmonell (Knockdolian) ...	89	151	114
Teignmouth (Den Gardens) ...	110	140	122	Glen Afton (Ayr Sanatorium) ...	139	147	143
Cullompton ...	108	152	126	Greenock (Prospect Hill) ...	124	136	129
Ilfracombe ...	123	158	137	Rothsay (Ardenraig) ...	135	144	139
Okehampton (Uplands) ...	112	161	130	Morvern (Drimnin) ...	114	161	133
Bude (School House) ...	119	153	132	Lochgilthead (Poltalloch) ...	129	166	145
Penzance (Morrab Gardens) ...	119	145	129	Inveraray Castle Gardens ...	130	158	141
St. Austell (Poltair Public Gardens)	118	143	128	Islay (Eallabus) ...	122	165	140
Scilly (Tresco Abbey) ...	112	137	122	Tiree Airport ...	133	150	140
Cirencester (Somerford Road) ...	118	147	131	Loch Leven Sluice ...	111	145	126
Vowchurch (Ladywell House) ...	109	111	110	Leuchars Airfield ...	102	125	114
Church Stretton (Sewage Works) ...	105	124	114	Loch Dhu ...	124	182	145
Shrewsbury (Monkmoor) ...	114	122	118	Crieff (Strathearn Hydro) ...	106	151	126
Malvern (Free Library) ...	117	124	120	Pitlochry (Fincastle House) ...	113	140	125
Leamington Spa ...	129	124	127	Montrose (Sunnyside Asylum) ...	106	129	117
Birmingham (Edgbaston) ...	133	129	131	Braemar ...	99	139	117
Thornton Reservoir ...	123	101	112	Dyce (Craibstone) ...	106	126	115
Boston (Black Sluice, Skirbeck) ...	112	130	121	Fyvie Castle ...	96	113	104
Skegness (Marine Gardens) ...	94	132	112	Fochabers (Gordon Castle) ...	101	111	106
Mansfield (Carr Bank) ...	105	112	108	Nairn (Achareidh) ...	117	125	121
Buxton (Terrace Slopes) ...	114	115	115	Glenshero ...	123	147	133
Birkenhead (Bidston Observatory) ...	120	125	122	Loch Ness (Garthbeg) ...	124	137	130
Manchester (Whitworth Park) ...	127	130	129	Loch Quoich (Glenquoich)...	112	146	124
Squires Gate (Blackpool Airport) ...	122	136	127	Onich ...	140	178	168
Stonyhurst College ...	118	137	122	Fort William (Teviot) ...	132	158	142
Ulverston (Poaka Beck) ...	117	128	129	Skye (Duntulm, Kilmuir) ...	122	138	128
Wakefield (Clarence Park) ...	128	108	118	Tain (Tarlogie House) ...	97	136	115
Hull (Pearson Park) ...	114	132	123	Inverbroom (Glackour) ...	105	163	128
Felixkirk (Mount St. John) ...	103	123	113	Applecross Gardens... ..	121	150	133
York Museum ...	110	121	115	Achnashellach ...	114	157	131
Scarborough ...	103	117	110	Stornoway Airport ...	102	124	110
Middlesbrough (Albert Park)...	101	120	111	Loch More (Achfary) ...	120	188	147
Baldersdale (Hury Reservoir)...	132	126	129	Wick Airport ...	98	123	110
Newcastle (Leazes Park) ...	99	129	114	Lerwick Observatory ...	125	149	134
Bellingham (High Green) ...	116	123	119	Newtownbutler (Crom Castle) ...	116	145	132
Ilderton (Lilburn Tower Gardens) ...	106	104	105	Armagh Observatory ...	112	146	129
Geltsdale ...	135	138	137	Seaforde ...	94	140	115
Keswick (High Hill) ...	136	158	145	Aldergrove Airfield ...	95	149	121
Ravenglass (The Grove) ...	120	139	128	Ballymena (Harryville) ...	99	174	134
				Garvagh (Moneydig) ...	117	168	140
				Londonderry (Creggan Reservoir)	129	151	139
				Omagh (Edenfel) ...	120	159	135

† For Counties see Table 8p.

The *winter half-year* included the generally wet October and November 1949, February 1950, and December 1949 which gave more than the average over Scotland and Northern Ireland. Over England and Wales as a whole it was the wettest winter since that of 1946-47, over Scotland and Northern Ireland since 1944-45. Over England and Wales, and also over Scotland, only three of the last nine winters have given more than the average. It will be seen from the map that the rainfall exceeded the average over most of the country, there being less than average along parts of the east of Great Britain as well as in the extreme south-west of Scotland and the east of Northern Ireland. The extreme percentage range was from 85 at Lowestoft to 148 at Lake Vyrnwy.

The *summer half-year* included the wet April, July, August and September, and the rainfall exceeded the average everywhere. Over Scot-

land it was the wettest summer in the 44 years commencing 1907, the next wettest being that of 1927 with 139 per cent. Over England and Wales there were four wetter summers: 1924, 1927, 1931 and 1946, with 147, 145, 146 and 138 per cent respectively. The percentage range was from 101 at Thornton Reservoir, Leicestershire, to 188 at Loch More, Sutherland, with 56 inches, or 26 inches more than the average.

For the *seasonal year* the rainfall was less than the average only around Lowestoft, with 98 per cent. The percentage values increased to the west, where around Lake Vyrnwy and to the south of Fort William totals exceeded 150 per cent, the largest value being 168 per cent at Onich. Over Scotland it was the wettest seasonal year since 1907, while over England and Wales only those of 1911-12, 1926-27 and 1929-30 were wetter.

Table 9B General Values of Seasonal Rainfall, 1949-50

Country	Winter Oct. 1949- Mar. 1950	Summer Apr. 1950- Sept. 1950	Year Oct. 1949- Sep. 1950
	%	%	%
England	115	129	122
Wales	124	148	134
England and Wales	117	132	123
Scotland	118	144	129
Northern Ireland	110	154	131

10 The Total Fall of Rain in 1950 and its Relation to the Average

The General Table, which forms Part II of this volume, gives the total rainfall for the year at nearly 5,000 stations in Great Britain and Northern Ireland. As many of these totals as practicable have been plotted on a base map on a scale of 16 miles to an inch. The distribution of rainfall has been shown on the map by isohyetal lines or lines of equal rainfall. The distribution is dominated by the orography of the country and the maps of different years resemble each other in their general features. Differences are noticeable only after detailed examination and comparison. The characteristics of a particular year are brought out better by a percentage map, such as that reproduced as a frontispiece to this volume, on which is shown the percentage ratio of the year's rainfall to the local average. The tints on this map are such that blue denotes regions where the 1950 rainfall exceeded the average for the standard period 1881-1915, while red indicates areas with rainfall below this average. Isopleths on the 1950 map are drawn through places where the values of rainfall were respectively 100, 110, 120 and 130 per cent of the average values, an unusually small range. The statistics upon which the map is based are set out in Tables 8D and 10B.

The map reproduced as a frontispiece to this volume shows that nearly the whole of the country had a rainfall above average in 1950. Rainfall was less than average along parts of the south and east coasts of England, between Bournemouth and Harwich; in the Midlands around Hereford, Leicester and to the south of Sheffield; at Rhyl in North Wales; around Berwick-on-Tweed; to the north of Dundee and around Balmoral.

Much larger areas received more than 120 per cent : in a belt across England between Cornwall and Cromer; in South Wales; from Aberystwyth across Manchester to Bradford; around Hull and Stockton-on-Tees; in the Isle of Man; over an area covering much of Northern Ireland and extending to Fort William; between Dumfries and Edinburgh; near Peterhead in the east of Scotland as well as from Applecross to Cape Wrath in the north-west. A number of small areas received more than 130 per cent.

The smallest annual percentages shown in Tables 8D and 10B are 94 at Thornton Reservoir, Leicestershire and at Lumphanan, Aberdeenshire. The largest percentages are 135 at Larkhill on Salisbury Plain and at Loch More in the north-west of Scotland, 134 at both Lake Vyrnwy, in North Wales, and Colonsay in West Argyllshire.

The percentage values of 215 stations are used to derive general values of rainfall for the year over the larger divisions of the country. These values are set out in Table 10A.

Table 10A General Rainfall, 1950, compared with average

Countries	No. of Stations	Average 35 years 1881-1915	1950	
			Per cent	Rainfall
England ...	122	in. 32·67	113	in. 37·0
Wales ...	18	50·14	119	59·6
England & Wales	140	35·23	114	40·2
Scotland ...	63	50·32	114	57·3
Northern Ireland	12	39·66	120	47·8
Whole area ...	215	40·33	114	46·1

Over England and Wales as a whole, 1950 gave 114 per cent of the average rainfall. Since 1886 there have been twelve wetter years, the most recent being 1946, 1930, 1928, 1927 and 1924. Over Scotland there were ten wetter years, the most recent being 1948 and 1938. 1950 was the third consecutive wet year. Over Northern Ireland it was the wettest year since 1928.

The year 1950 was much wetter than the previous year. The general rainfall exceeded that of 1949 by 9·3 inches over England and Wales, 2·9 inches over Scotland and 8·6 inches over Northern Ireland, or 8·0 inches over the whole area.

The general distribution of the actual rainfall in 1950 as shown on the accompanying map is similar in its main features to that of

other years. Falls of less than 20 inches were confined to a small area along the east coast from Shoeburyness to Felixstowe. More than 150 inches was recorded on Snowdon, the English Lake District and at an altitude of 1,340 ft. near Loch Sloy. It is considered that a few other mountainous areas in Scotland also received 150 inches, e.g. on Ben Nevis and to the west of Loch Quoich. The wettest area was undoubtedly the English Lake District, for in addition to the record of 204 inches at Sty Head, the estimated values for Styhead Tarn and Sprinkling Tarn were 207 and 221 inches respectively. These two values are not included in the table below. Owing to difficulties in reading the gauges during the winter months, because of snow and ice, some of the monthly totals had to be estimated.

Among the largest totals recorded for the year, the following are of interest :—

				<i>In.</i>
England	..	..	Cumberland, Sty Head	203·75
Wales	..	..	Caernarvon, Snowdon (Grib Goch) ..	195·65
Scotland	..	..	Argyll, Loch Sloy (Beinn Chorrnach) ..	153·57
Northern Ireland	..	..	Londonderry, Glenedra (Spelhoagh Mtn.) ..	82·92

Notable among the smallest totals during the year were :—

				<i>In.</i>
England	..	..	Essex, Burnham (Fisheries Lab.)	18·34
Wales	..	..	Flint, Rhyl (Sewage Works)	25·57
Scotland	..	..	Moray, Kinloss (R.A.F. Station)	20·39
Northern Ireland	..	..	Down, Grey Abbey (Holland Dene) ..	30·08

Table 10B Rainfall of 1950 as Percentage of Average, 1881-1915 *

County	Station	Per cent of Average	County	Station	Per cent of Average
ENGLAND					
Surrey ...	Reigate (Wray Park Road) ...	112	Yorks, W.R.	Harrogate (Harlow Moor) ...	104
Kent ...	Lympne Airport ...	111	Yorks, E.R.	Lowthorpe (The Elms) ...	129
" ...	Bromley ...	104	" N.R.	Leyburn (Bolton Hall) ...	109
Sussex ...	Patching Farm ...	99	"	Guisborough (Lockwood Res.)	117
" ...	Horsham (Wimblehurst) ...	106	Durham	Barnard Castle (Bowes Museum)	109
" ...	Eastbourne (Wilmington Sq.)	101	"	Burnhope (Lodgegill Mine)	109
Hampshire	Bournemouth (Vale View) ...	100	Northumb.	Hallington (Fawcett) ...	118
"	Portsmouth (Southsea Common)	97	"	Morpeth (Cockle Park) ...	113
"	South Farnborough ...	113	"	Howick Hall Gardens ...	112
Hertford	Harpenden (Rothamsted) ...	116	Cumberland	Borrowdale (Seathwaite) ...	118
Buckingham	Oving House ...	112	"	Keswick (Derwent Island) ...	116
Northampton	Kettering (Sewage Works) ...	114	Westmorland	Kirkby Stephen (Eden Place)	107
Bedford	Woburn (Experimental Farm)	127	"	Rydal (High Close) ...	116
Cambridge	Cambridge (Botanic Gardens)	130	WALES		
Essex ...	Halstead (The Brewery) ...	106	Glamorgan	Treherbert (Tyn-y-waun) ...	131
Norfolk...	Sprowston ...	111	Cardmarthen	Llanelly (Cwmlliedi) ...	123
" ...	Cromer (Howards Hill) ...	129	Pembroke	Pembroke (Stackpole Court)	117
" ...	Thetford Waterworks ...	110	Cardigan	Lampeter (Falcondale) ...	116
Wiltshire	Larkhill (School of Artillery)	135	Montgomery	Welshpool (County School)	120
" ...	Marlborough College ...	123	Flint	Bodfari (Nantlys) ...	108
Dorset ...	Evershot (Melbury House) ...	121	Denbigh	Wrexham (Pack Saddle Res.)	117
Devon, S.	Plymouth (The Hoe) ...	123	SCOTLAND		
" ...	Princetown (H.M. Prison) ...	116	Kirkcudbright	Dalry (Garroch) ...	115
" N.	Torrington (Caynton House)	104	Dumfries	Canonbie (Irvine House) ...	112
Cornwall	Newquay (Mount Wise) ...	131	Roxburgh	Crailling ...	101
"	Falmouth Observatory ...	118	Midlothian	Moorfoot Hills (Gladhouse Res.)	106
Somerset	Bath (Henrietta Park) ...	118	"	West Calder (Addiewell) ...	120
"	Street (Millfield) ...	120	Ayr ...	Prestwick ...	118
"	Milverton (Spring Grove) ...	117	Renfrew	Paisley W.W. (Back Th'lymuir)	108
Gloucester	Cheltenham (Montpellier Gdns)	112	Argyll ...	Carradale (Torrisdale Castle)	116
Hereford	Ross-on-Wye ...	101	" ...	Loch Eck (Ben More) ...	112
Shropshire	Shifnal (Hatton Grange) ...	101	" ...	Colonsay ...	134
Stafford	Longton (The Meir) ...	116	Perth ...	Glengyle ...	112
Worcester	Stourport (Lincombe Lock)	106	" ...	Perth (Wellshill Cemetery) ...	105
Warwick	Ryton-on-Dunsmore ...	117	Angus ...	Kirriemuir (Balnakeilly) ...	102
Lincoln	Spalding (Pode Hole) ...	103	Aberdeen	Lumphanan ...	94
" ...	Cranwell Airfield ...	103	Banff ...	Banff ...	128
" ...	Revesby Reservoir ...	125	" ...	Ballindalloch ...	106
" ...	Lincoln (Skellingthorpe Hall)	115	Inverness	Inverness (Culduthel Res.) ...	111
" ...	Brigg (Wrawby Road) ...	117	" ...	Arisaig House ...	116
" ...	Cleethorpes (Kings Parade)	117	" ...	Skye (Broadford) ...	114
Nottingham	Nottingham (The Castle) ...	109	Sutherland	Skerray (Borgie) ...	119
Cheshire	Northwich (Hunts Lock) ...	118	NORTHERN IRELAND		
Lancs, C.	Wigan W.W. (Worthington)	131	Down ...	Waringstown (The Forge) ...	123
" N.	Morecambe ...	113	Antrim ...	Belfast (Queen's University)	113
Yorks, W.R.	Sheffield (Weston Park) ...	100	Londonderry	Glendra Lodge ...	120
"	Goole ...	121	Tyrone ...	Sion Mills (Sion House) ...	129
"	Huddersfield (Oakes) ...	115			
"	Skipton (Chelker Reservoir)	121			

* See also Table 8D, pp. 67-70.

11 Evaporation and Percolation in 1950

The *evaporation gauges* in use are square tanks sunk in the ground, and the evaporation measured is that from a free water surface. A description of the standard gauge and of the procedure followed in measuring evaporation appeared in *British Rainfall* 1939 and in earlier volumes.

Monthly and annual values of evaporation, as recorded at 16 stations in Great Britain, are given in Table 11B. Measurements at Stoner Hill, Petersfield, ceased during the year. A record was commenced in June at Lake Vyrnwy, Montgomeryshire, in association with the rainfall and drainage records supplied by the Liverpool Corporation Waterworks Engineer.

For the year 1950 the temperature and sunshine were about average but the months of April, July, August and September, when evaporation is normally high, were cloudy and wet in most districts. The annual total of evaporation at Otterbourne, 17·34 inches, is the lowest recorded since 1932 and at Amlaird Filters 9·93 is the lowest since the inception of the station in 1933. The mean evaporation from 16 stations was 17·50 inches, 2·68 inches less than in 1949.

Evaporation at Camden Square (London). Table 11A gives the monthly and annual extremes of evaporation over the 66 years 1885–1950. The entries remain the same as in

the Table for 1949 with the exception of that for June, the 1940 maximum of 4·00 inches having been exceeded in 1950, when June was the driest month of the summer.

The measurement of 1·44 inches for April was the lowest for 10 years and that of ·15 inch for December, a month with well below the average rainfall, the highest recorded since 1933.

Percolation gauges. In Table 11C the amount of water percolating through a definite depth of soil is given. The list of stations is the same as in 1949. The difference between percolation and rainfall is largely to be accounted for by evaporation, but evaporation as determined in this way (known as “calculated evaporation”) is not strictly comparable with that given in Table 11B. There is no free water surface present in the percolation gauge, and during dry periods the surface soil is nearly dry, so that practically no evaporation can take place. In dry years the calculated evaporation, as obtained from the percolation gauges, will be less than similar values for wet years, and less than the values obtained from the water surface in a tank.

In 1950 the mean “calculated evaporation” from the ten percolation gauges was 18·41 inches compared with the mean loss from the 16 evaporation tanks of 17·50 inches. The

Table 11A Evaporation at Camden Square (London)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
<i>Average</i>													
1885–1919	·10	·25	·66	1·51	2·43	2·91	2·97	2·33	1·38	·62	·25	·09	15·50
<i>Monthly Extremes 1885–1950</i>													
<i>Largest (in.)</i>	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
	·26	·64	1·22	2·48	3·25	4·36	4·86	3·94	2·38	·93	·43	·32	21·58
<i>Year</i>	{ 1903 1949 }	1895	1945	1949	1901	1950	1949	1947	1906	1934	{ 1888 1945 }	1913	1949
<i>Smallest (in.)</i>	c·24	·01	·16	·85	1·56	1·70	1·44	1·56	·68	·26	·02	c·14	12·60
<i>Year</i>	1948	1893	1947	1920	1898	1909	1888	1941	1896	1949	1892	1948	1888

NOTE: In the Table “c” indicates an excess of condensation over evaporation.

Table 11b Evaporation in 1950

List of Stations	County	Observer	Particulars of Tank			
			Height above		Side	Capacity
			Ground	Sea Level		
			ft. in.	ft.	ft. in.	Gals.
Camden Square ...	London ...	2 Royal Meteorological Society	0 3	111	6 0	450
Kew Observatory ...	Surrey ...	5 Meteorological Office	0 3	18	6 0	450
Rye (R.A.F. Station) ...	Kent ...	1 Meteorological Office	0 3	12	6 0	450
Otterbourne ...	Hampshire ...	5 J. Hawksley, Esq.	0 3	112	6 0	450
Rothamsted ...	Hertfordshire ...	2 Lawes Agricultural Trust	0 3	420	6 0	450
Ormesby St. Michael ...	Norfolk ...	2 Gt. Yarmouth Waterworks	0 3	21	6 0	450
Bartley Reservoir ...	Warwickshire ...	4 C.A. Risbridger, Esq., M.I.C.E.	0 3	611	6 0	450
Revesby Reservoir ...	Lincolnshire ...	3 D. H. Ball, Esq.	0 6	124	6 0	450
Southport ...	Central Lancashire ...	3 The Corporation	0 3	37	3 0	112
Ardsley Reservoir ...	Yorkshire W.R. ...	8 Wakefield Corpn. Waterworks	0 3	392	6 0	450
Lower Laithe Reservoir ...	" " ...	9 Keighley Corpn. Waterworks	0 6	772	6 0	450
Harrogate ...	" " ...	11 D. G. Davies, Esq., M.I.C.E.	0 3	549	6 0	450
Lake Vyrnwy (Exp'l Stn.) ...	Montgomeryshire ...	5 Lt.-Col. F. Hibbert, M.I.C.E.	0 3	995	6 0	450
Wrexham ...	Denbighshire ...	1 S. E. Ashmore, Esq.	0 3	275	4 0	300
Talla Water ...	Peebles-shire ...	1 Edinburgh Waterworks	0 3	904	6 0	450
Amlaird Filters ...	Ayrshire ...	3 W. N. McCall, Esq.	0 4	590	†	650

1950	Camden Square	Kew	Rye	Otterbourne	Rothamsted	Ormesby St. Michael	Bartley	Revesby	Southport
	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>
January ...	·23	·22	·10	c·20	·33	·40	·12	·13	·04
February ...	·22	·34	·43	c·22	·74	·44	·23	·21	·11
March ...	1·07	1·29	1·26	1·25	2·02	·87	1·03	·77	·56
April ...	1·44	2·03	1·94	1·97	2·32	1·57	1·57	1·36	1·35
May ...	2·57	2·98	3·23	2·77	3·16	2·07	2·29	1·85	2·23
June ...	4·36	4·40	4·48	3·68	4·99	2·49	3·48	2·92	2·97
July ...	3·12	4·11	3·92	3·20	4·08	2·80	3·09	2·53	3·04
August ...	3·32	3·58	3·29	2·60	3·25	2·79	2·76	2·34	2·69
September ...	1·51	2·00	2·28	1·74	2·11	2·07	1·85	1·99	1·26
October ...	1·39	1·20	1·52	·90	1·81	1·11	·97	·94	·68
November ...	·59	·43	·35	·18	·70	·77	·24	·37	·12
December ...	·15	·17	c·04	c·53	·27	·05	·20	·02	·12
Year ...	19·97	22·75	22·76	17·34	25·78	17·43	17·83	15·43	15·17
Average 1908-42	...	...	...	19·71	...	17·26	17·19	...	15·82
Difference ...	...	...	...	-2·37	...	+·17	+·64	...	-·65

1950	Ardsley	Lower Laithe	Harrogate	Lake Vyrnwy	Wrexham	Talla Water	Amlaird Filters	Mean of 15 or 16 records	Average 1908-1942
	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>
January ...	·27	c·07	·35	...	·33	·01	c·61	·11	·14
February ...	·18	(·10)	·30	...	·87	c·09	c·36	·23	·29
March ...	·82	·69	1·01	...	1·27	·50	·40	·99	·79
April ...	1·18	1·50	2·09	...	2·12	·58	·96	1·59	1·62
May ...	1·58	2·05	2·29	...	2·55	2·28	2·58	2·43	2·53
June ...	2·89	3·44	3·51	3·10	3·28	2·62	1·83	3·40	3·07
July ...	2·82	2·99	3·82	2·78	3·23	2·06	1·98	3·10	2·98
August ...	2·40	1·93	3·02	1·85	2·68	1·50	1·89	2·62	2·44
September ...	1·50	1·21	2·17	1·10	2·03	·42	·90	1·63	1·59
October ...	1·01	·63	1·52	·75	1·24	·42	·41	1·03	·84
November ...	·37	c·09	·82	·13	·71	c·20	·06	·35	·34
December ...	·12	(c·10)	·00	(·07)	·05	c·13	c·11	·02	·15
Year ...	15·14	14·28	20·90	...	20·36	9·97	9·93	17·50	16·78
Average 1908-42	17·59	15·10	19·53	...	...	...	...	...	...
Difference ...	-2·45	-·82	+1·37	...	...	...	...	+·72	...

NOTE: In the Table "c" indicates an excess of condensation over evaporation. † 6ft. x 4ft.

year having been wet, there is much closer agreement in these two values than was the case in 1949.

At *Farlington* the percolation gauges gave totals which ranged from 11·73 inches through the 24-inch gauge to 8·23 inches through the 48-inch gauge, some of the rain not having percolated through the deeper gauge by the end of the year. Although the rainfall was 5 inches more in 1950 than in 1949 there was less percolation in 1950, because much of the heavier rainfall in the first nine months of 1950 was lost by evaporation. There was no percolation through any of the gauges during the four months July to October and through the 24 inches of chalky marl from April to October. At *Rothamsted* the difference between the measured amounts of water draining through 20 inches of soil and that through 60 inches has always been small, whereas a greater depth of chalky marl at *Farlington* reduces the percolation. The measurements of 2·51 inches in July for the 20-inch gauge and 2·40 inches for the 60-inch gauge at *Rothamsted* are the largest recorded for that month in the 45 years the station has been running. Through the two gauges at *Fleam Dyke* also there was a larger percolation in this month than in any other July since records commenced in 1937, and February, too, showed a maximum in 1950. At *Harrogate* the rainfall and the corresponding percolation continue to show a regular relationship and there is no unusual feature about the records, although it is interesting to note that February, with rainfall 5·08 inches, gave a percolation of as much as 4·57 inches.

Drainage Gauges at Prescott (Liverpool). Two seepage gauges were installed at *Prescot* and observations began there in January 1943. Each gauge consists of an undisturbed column of soil from ancient parkland, 11 inches in depth, encased by a cast iron cylinder. The column of soil is supported by fine woven wire mesh on a funnel-shaped impervious concrete base through which a vertical lead pipe leads to a glass collecting vessel in a chamber underneath. The whole

gauge is sealed to prevent water other than rainfall gaining ingress, while the lip of the containing cylinder is one inch above the surface. The area of the receiving surface of the gauge is precisely ten times the area of the receiving surface of a 5-inch rain-gauge; the water seeping through and collected in the glass vessel is measured daily by using the certified rain measure. The rainfall is measured in a rain-gauge alongside. The gauges are situated in an open field and their surfaces are level with the surrounding ground. In one gauge the soil is bare and kept weeded, while in the other the original growth of grass remains and this is kept cut to two inches.

In 1950 there was more seepage through the turfed soil than through the bare, a reversal of the usual relationship in previous years.

Drainage Gauges at Lake Vyrnwy. At *Lake Vyrnwy* are two seepage gauges similar to those at *Prescot*. The productive soil on the field in which the Experimental Station is situated is about 9 inches thick and has been under grass. In one gauge the grass was left, while in the second the plant life was burnt off and the soil is bare and weeded.

At this station there are also two seepage-percolation gauges, which aim at reproducing on a small scale the conditions that are inferred to occur on a large self-contained drainage basin, to measure the water which has seeped through the upper soil down to a zone of saturation and then flowed to a point of discharge as a spring.

A gauge consists of two stages, a seepage zone and a percolation zone. The seepage zone is similar to the grassed seepage gauge. The drainage from the seepage column is led to the base of a cylinder 6 ft. deep in which it percolates through a rock core overlain by soil; thence the effluent flows out through a pipe fixed just below the soil surface. The rock placed in the cylinder is chalk, as in the *Farlington*, *Hants*, gauges. The outflow pipe represents a spring. The surface of the percolation column is below the bottom of the seepage column. The ultimate run-off is

Table 11c Rainfall, Percolation and Calculated Evaporation in 1950

1950	Farlington, Hants Gauges 36-inch diameter				Rothamsted, Herts 1000 acre gauges			Fleam Dyke, Cambs 1000 acre gauges			Harrogate Yorks 3 ft. × 3 ft. × 3 ft.		
	Rain- fall	Percolation				Rain- fall†	Percolation*		Rain- fall	Percolation		Rain- fall	Perco- lation
		24" 36" 48" Chalky Marl**		36" Sand||	36" Chalk||		20" Soil	60" Soil		36** Chalk	36† Chalk		
		in.	in.										
January ..	.93	.50	.15	.08	.16	.13	.97	.33	.28	.40	.48	1.80	1.13
February ..	5.15	5.05	4.85	4.68	4.84	4.86	4.58	4.11	4.09	2.04	2.59	5.08	4.57
March ..	1.47	.57	.33	.42	.56	.46	.84	.00	.00	.14	.08	1.11	.71
April ..	2.20	.00	.01	.03	.03	.02	1.83	.14	.11	.00	.00	2.81	.80
May ..	1.49	.00	.00	.00	.01	.00	1.96	.35	.29	1.01	.71	2.09	.50
June ..	1.35	.00	.00	.01	.00	.00	1.48	.06	.01	.02	.01	.60	.09
July ..	3.35	.00	.00	.00	.00	.00	5.43	2.51	2.40	1.46	.00	3.29	.33
August ..	2.86	.00	.00	.00	.00	.00	3.37	1.09	.97	.35	.00	4.52	.63
September ..	3.24	.00	.00	.00	.00	.00	3.15	1.08	.96	.75	.00	4.23	1.40
October ..	.54	.00	.00	.00	.00	.00	.50	.10	.16	.20	.00	2.18	1.33
November ..	5.66	4.00	2.39	1.51	.99	1.85	5.24	4.13	3.88	2.60	2.42	4.26	2.99
December ..	2.17	1.61	1.48	1.50	1.70	1.62	1.62	.91	1.17	1.30	1.41	1.73	1.14
Year ..	30.41	11.73	9.21	8.23	8.29	8.94	30.97	14.81	14.32	10.27	7.70	33.70	15.62
Calculated Evaporation	..	18.68	21.20	22.18	22.12	21.47	..	16.16	16.65	12.47	15.04	..	18.08

† Values obtained from 5 inch gauge.

* Through bare unworked soil.

** Depths include 12 in. of top soil and turf.

|| Depths include 6 in. of top soil and turf.

† Through turfed soil.

collected in a glass vessel in a chamber and measured daily. As the area of the combined exposed surfaces is a multiple of the receiving surface of a Meteorological Office rain-gauge, the certified measure of the adjacent rain-gauge is used for these measurements.

The 1950 data, supplied by the Engineer, Liverpool Corporation Water Works, are set out in Table 11D.

The rainfall readings in this Table are obtained from gauges sunk with their rims one inch above the ground in the same way as the drainage gauges. In the case of that at Lake Vyrnwy the total for December, 4.18 inches, excludes snow lying at the end of the month (equivalent to about one inch of rainfall), which has been credited to the following January.

Since 1943 the annual amount of water draining through the columns of soil of the seepage gauge at Prescot has averaged about 55 per cent of the rainfall, varying between 47 and 74 per cent, whereas for the similar

gauges at Lake Vyrnwy the relation is about 80 per cent. At Prescot in 1950 the amount of drainage through the unturfed soil was small, being only 49 and 54 per cent of the measured rain. At Lake Vyrnwy, on the other hand, the percentage was higher than usual, being 83 per cent. At Prescot there was much more soil evaporation than at Lake Vyrnwy, in spite of the smaller rainfall at Prescot.

The two seepage-percolation gauges, designed to simulate the processes in the formation of a spring, are both constructed in the same way and continue to give records in close agreement. The quantity of water flowing from the pipe at the top of the chalk column is much the same as that which leaves the base of the seepage gauge and enters the base of the column.

In the case of these gauges the term "seepage" is used for the same process as that called "percolation" in Table 11C, while "percolation" in Table 11D refers to the upward movement of the water through the chalk.

Table 11D Drainage Observations in 1950

1950	Prescot, Lancashire			Lake Vyrnwy, Montgomery				
	Rainfall	Seepage* Gauges		Rainfall	Seepage* Gauges		Percolation† Gauges	
		Bare Soil	Turfed Soil		No. 1 Bare Soil	No. 2 Turfed Soil	No. 3 Grass covered over chalk	No. 4
	in.	in.	in.	in.	in.	in.	in.	in.
January	1.27	1.01	.86	3.65	3.10	3.08	3.04	3.05
February	4.71	4.01	3.77	14.15	13.31	13.37	12.95	13.28
March	1.52	.35	.68	3.60	2.93	2.99	2.84	2.94
April	2.97	.34	.70	6.60	4.77	5.10	5.01	5.08
May	1.14	.14	.24	1.75	.47	.50	.48	.50
June	2.11	.02	.00	2.45	.68	.05	.00	.00
July	3.03	.10	.12	6.38	4.49	3.96	3.70	3.78
August	5.81	2.53	2.60	8.70	7.07	6.95	6.57	6.78
September	5.20	2.37	3.08	12.35	11.22	11.26	11.26	11.27
October	2.55	1.26	1.66	5.10	4.66	4.76	4.60	4.60
November	5.05	4.23	4.47	7.05	7.08	7.06	6.78	6.88
December	2.29	2.08	2.10	4.18	3.77	3.86	3.92	3.88
Year	37.65	18.44	20.28	75.96	63.55	62.94	61.15	62.05
Soil								
Evaporation ..	..	19.21	17.37	..	12.41	13.02	14.81	13.91

* The receiving surface of the Seepage gauge is ten times the receiving surface of a 5-inch diameter rain-gauge.

† The receiving surface of the Percolation gauge is thirteen times the receiving surface of a 5-inch diameter rain-gauge.

METEOROLOGICAL OFFICE, AIR MINISTRY

BRITISH RAINFALL ORGANIZATION

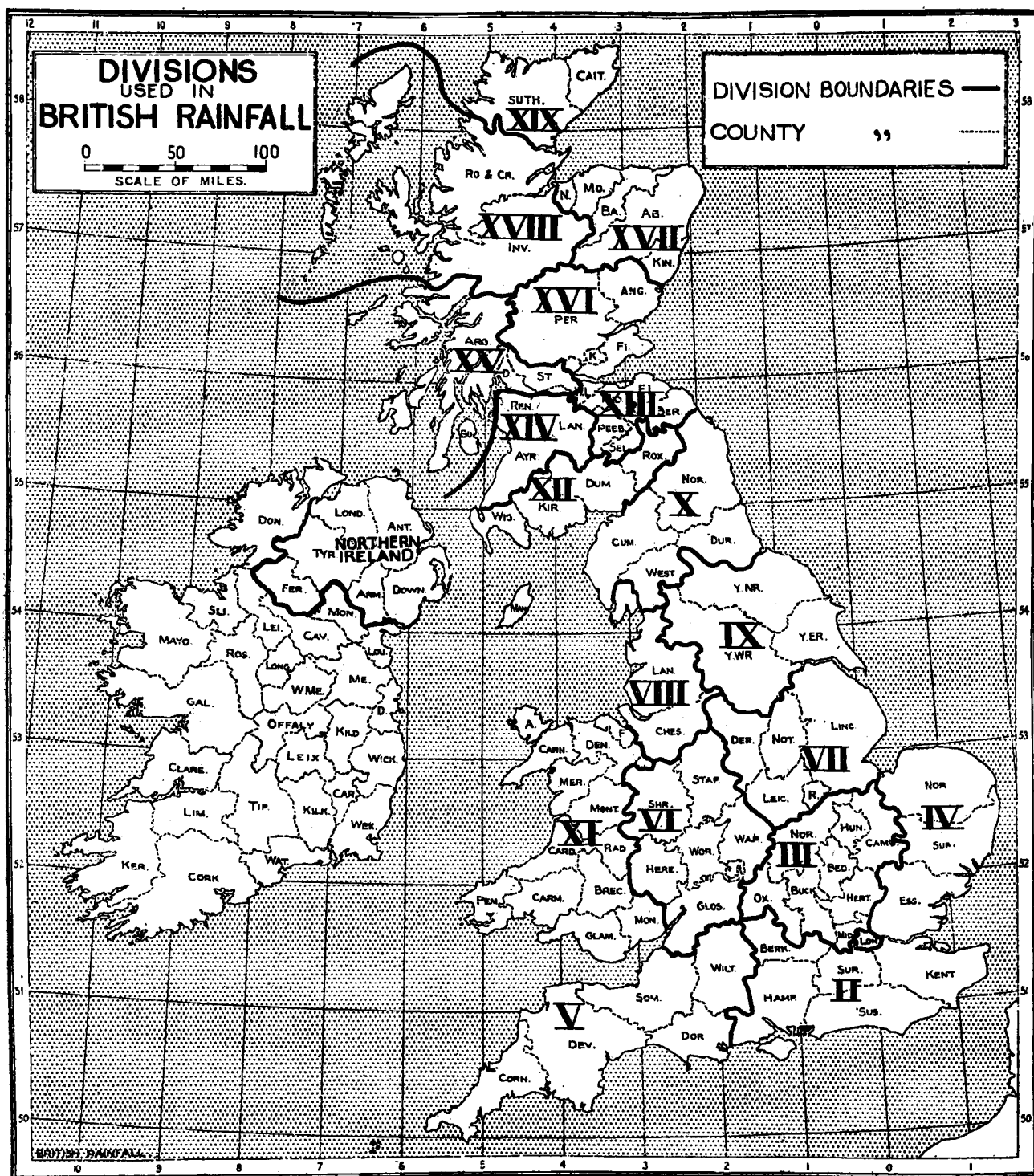
BRITISH RAINFALL, 1950

PART II

General Table of

TOTAL RAINFALL IN 1950

AT STATIONS IN GREAT BRITAIN AND
NORTHERN IRELAND WITH THE NAMES OF
THE OBSERVERS OR OTHER AUTHORITIES
FOR THE OBSERVATIONS



General Table of Total Rainfall in 1950

EXPLANATORY NOTE

The Divisions of Great Britain in the General Table are the same as those adopted by the Registrars-General of England and Scotland. They are shown on the map facing this page.

The counties are divided up into numbered areas, corresponding to the river-basins. An account of these river-divisions for England and Wales was given in a special article in Part I of *British Rainfall*, 1910 (pp. 37-66), and a similar article on the river-divisions of Scotland and Ireland appeared in Part I of *British Rainfall*, 1911 (pp. 40-72), with detailed maps showing all the river-divisions in each Division. Lists were also included showing the various river-divisions in each of the main catchment areas over the British Isles. The areas of some river basins have been redetermined since these lists were first published. The sequence of river divisions in Great Britain proceeds anti-clockwise from the Solway Firth. For example, in the West Riding of Yorkshire there are four divisions for rivers flowing to the Irish Sea, followed by eight divisions for rivers tributary to the Humber. To the names of river-divisions "& C" is added to indicate "and other streams flowing into the sea," while "& c" means "and some land draining to the main river."

An index of River Basins, indicating the various river-divisions in each county included in the main river-basins of the British Isles, was included after this Explanatory Note in *British Rainfall*, 1937 and 1938.

The stations in each river-division are arranged nearly in the order of their latitude from South to North. For convenience, the first name defining a station is that of a place which can be found on any large scale map; occasionally it is in an adjoining county. The second name is added to fix the site of observation more closely, *e.g.*, "Godalming (Eashing)" means Eashing, near Godalming. There is an exception where the position of stations on open moors can be related better to a waterworks undertaking and in these instances the authority is given initially.

Stations the names of which are printed in small capitals, *e.g.*, KENSINGTON PALACE, are climatological stations reporting to the Meteorological Office.* For the majority of these a summary of the climatological observations is printed in the *Monthly Weather Report*, and the name in small capitals is that used in that publication.

In some cases the records have been received from a local rainfall organization. This has been indicated by a footnote.

The letter D signifies that daily observations have been received and are complete for the year; d, that less complete daily records have been received; w indicates that weekly readings have been received, and M that the gauge is read only once a month, usually on the 1st.

(R) denotes that the gauge is a mechanical one the correct reading of which depends on the mechanism being in working order.

* In the case of Division I small capitals are also used to indicate the names of London Boroughs.

The use of mechanical gauges for measuring the total rainfall is not recommended by the Meteorological Office and the number of records marked (R) is therefore small.

(+A) denotes that the amount of rainfall is taken from an ordinary gauge but that the equipment also includes an autographic instrument.

Gauges which have been inspected and found to be over-exposed on moorland have been so marked. It is likely that there are other gauges (notably some of those at light-houses) which are also over-exposed.

A column giving the annual average rainfall expressed to the nearest tenth of an inch has been included since 1926. The averages are printed in ordinary type if they are either the mean of the annual values for the standard period 1881 to 1915, or, in the case of shorter records, if they have been reduced by the accepted method to the standard period. In such cases all the available information has been used in the computation of the averages, means for stations with short records being weighted to the standard period 1881 to

1915 by comparison with nearby stations with records complete from 1881 to date. Averages determined by authorities other than the Meteorological Office are printed in italics, since they may subsequently be revised. The average is also given in italics if it is the mean for twenty or more years other than the standard period or if the mean has been weighted to some other period. Averages for the standard period of 35 years 1881 to 1915, are always preferred for entry in the table.

A few entries of total rain will be found in brackets—indicating that the values have been corrected, *e.g.*, when appreciable snow has been lost, when the amount for a short period has been computed from other records, or when the gauge has been moved a short distance during the year. A record is not as a rule printed if the gauge has been moved more than a mile, or if there is a greater difference than 50 ft. of altitude between the two positions.

A note of interrogation(?) implies doubt, not necessarily error. The absence of information is indicated by ...

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England and Wales

DIVISION I—LONDON (Area 117 sq. mi.)

STATIONS		AUTHORITIES		Rain-gauge				Average Rain-fall	1950								
				Diam.	Height of		ft.		in.	in.	ft.	in.	ft.	in.			
															fall	with .01 in. or more	with .04 in. or more
1.—THAMES. Right Bank Tributaries. 67 sq. mi.										in.	ft.	in.	ft.	in.	in.		
BERMONDSEY																	
D	Southwark Park	...	...	...	London County Council	...	5	1	0	9	24.4	23.78	162	114
LAMBETH																	
D	Brockwell Park	...	...	(+A)	London County Council	...	5	1	0	144	23.8	23.47	155	120	
D	Brixton Hill Reservoir	...	...	...	Met. Water Board	...	5	1	0	121	23.9	24.56	157	121
BATTERSEA																	
d	Battersea Park	...	...	...	London County Council	...	5	1	0	13	23.2	24.35	...	115
WANDSWORTH																	
D	Streatham (Conyers Road)	...	...	...	Met. Water Board	...	5	1	7	113	23.3	23.64	145	115
D	Streatham (Woodbourne Avenue)	...	...	...	G. E. Patston, Esq.	...	5	1	0	150	...	25.83	177	126
D	Balham (Elmbourne Road)	...	...	...	J. H. J. Burt, Esq.	...	5	1	0	150	...	25.23	177	128
D	Streatham Hill Reservoir	...	...	...	Met. Water Board	...	5	1	0	202	23.3	24.45	161	117
D	Putney Heath Reservoir	...	(+A)	...	Met. Water Board	...	5	1	0	184	...	26.26	172	126			
D	Streatham (Furzedown Rec. Ground)	...	...	...	H. W. Tee, Esq., C.E.	...	5	1	6	89	24.7	26.40	184	131
D	Southfields (Coronation Gardens)	...	...	...	H. W. Tee, Esq., C.E.	...	5	1	6	37	23.6	24.03	182	118
d	Dulwich (Belair)	...	...	...	J. J. Heasman, Esq.	...	5	1	0	150	...	26.43	...	...	
CAMBERWELL																	
D	Nunhead (Nunhead Reservoir)	...	...	...	Met. Water Board	...	5	1	0	175	...	24.22	158	130
DEPTFORD																	
D	Telegraph Hill	...	...	...	London County Council	...	5	1	0	155	...	24.95	174	125
D	Waterworks	...	...	...	Met. Water Board	...	5	1	0	20	23.0	23.74	146	119
GREENWICH																	
D	Deptford Pumping Station	...	(+A)	...	London County Council	...	8	2	8	13	22.4	22.82	158	122			
D	ROYAL OBSERVATORY	...	...	...	Astronomer Royal	...	8	1	0	149	23.5	24.60	182	124
LEWISHAM																	
D	Catford Hill (Exbury Road)	...	...	...	Rev. T. R. Price, M.A.	...	8	1	3	66	...	24.60	162	127
D	Forest Hill Reservoir	...	(+A)	...	Met. Water Board	...	5	1	0	339	...	25.05	159	126			
WOOLWICH																	
d	§Eltham (High Street)	...	(+A)	...	Met. Water Board	...	5	1	0	245	23.2	25.37	166	125			
2.—THAMES. Left Bank Tributaries. 50 sq. mi.																	
KENSINGTON																	
D	Holland House	...	...	...	Mr. P. B. Rintoul	...	5	1	0	68	23.9	24.46	143	116
D	Campden Hill Reservoir	...	...	...	Met. Water Board	...	5	1	0	138	24.5	24.49	158	119
D	KENSINGTON PALACE	...	(+A)	...	Ministry of Works (M.O.)	...	8	1	0	80	24.0	26.05	176	130			
HAMMERSMITH																	
D	Pumping Station	...	...	...	London County Council	...	5	6	0	19	23.2	24.78	169	126
FULHAM																	
D	Bishop's Park	...	(+A)	...	Borough Engineer	...	5	1	4	15	22.6	25.01	158	124			
CHELSEA																	
D	Physic Garden	...	...	...	G. S. Boon, Esq.	...	8	1	0	20	23.4	23.93	157	120
WESTMINSTER																	
D	Western Pumping Station	...	(+A)	...	London County Council	...	8	1	9	16	...	23.08	142	113			
D	Buckingham Palace	...	...	...	Mr. A. J. Cole	...	5	8	0	35	23.5	24.83	143	116
D	ST. JAMES'S PARK	...	(+A)	...	Ministry of Works (M.O.)	...	8	1	0	27	22.4	25.12	179	129			
ST. MARYLEBONE																	
D	REGENT'S PARK	...	...	...	Ministry of Works (M.O.)	...	5	1	0	129	...	24.40	151	124
HAMPSTEAD																	
D	Kidderpore Reservoir	...	...	...	Met. Water Board	...	5	1	0	328	...	26.63	156	132
D	OBSERVATORY	...	(+A)	...	Hampstead Scientific Society (E. L. Hawke, Esq., M.A.)	...	8	1	0	450	...	27.63	181	133			

§ Turf wall round gauge.

DIVISION I—LONDON—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground above Sea Level		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.		ft.				in.	in.
2.—THAMES. Left Bank Tributaries—(contd.).									
D Golders Hill Park	London County Council ...	5	1	0	350	26·2	26·63	175	134
ST. PANCRAS									
D CAMDEN SQUARE	(+A) Royal Meteorological Soc.	5	1	0	110	24·5	24·68	165	129
STOKE NEWINGTON									
D New River Filter Beds	Met. Water Board ...	5	1	0	101	23·1	23·43	161	127
D New River Res. (Lordship Rd.) ...	(+A) Met. Water Board ...	5	1	0	105	23·5	23·80	169	133
HACKNEY									
D Clapton Pond	(+A) Borough Engineer ...	5	1	0	68	22·8	24·61	179	133
FINSBURY									
d New River Head	(+A) Met. Water Board ...	5	1	0	95	...	22·97	...	...
BETHNAL GREEN									
D Victoria Park	London County Council ...	5	1	0	43	23·1	25·46	145	125
POPLAR									
D Isle of Dogs (Island Gardens)... ..	London County Council ...	5	1	0	18	21·9	22·32	157	124
D Old Ford Pumping Station	Met. Water Board ...	5	0	6	18	22·9	23·11	167	132
d Old Ford (Penstock House)	London County Council ...	8	0	10	39	22·4	20·87	...	118
WOOLWICH									
D Barking Outfall	London County Council ...	5	0	10	24	20·8	20·41	157	116

DIVISION II—SOUTH-EASTERN COUNTIES

SURREY. (Area, 725 sq. mi.)

1.—ARUN. 45 sq. mi.									
D Chiddingfold (Chiddingfold House) ...	L. J. E. Hooper, Esq. ...	5	1	0	200	31·0	35·62	176	136
D Godalming (Burgate)	Major J. Godman ...	5	1	0	320	...	34·43	182	134
2.—MEDWAY. 50 sq. mi.									
D East Grinstead (Lockeridge)	Lt. Col. J. F. Forbes, D.S.O.	5	1	0	320	31·6	31·34	173	137
D Dormans Park (Chartham Park)	I. D. Margary, Esq. ...	5	1	0	270	31·2	33·39	201	135
D Dormans Park (Yew Lodge)	Mrs. I. D. Margary ...	5	1	0	260	30·6	33·91	190	136
D Lingfield (Wembury Park)	C. W. Wheeler, Esq. ...	5	1	0	211	...	32·22	178	128
D Lingfield (Sewage Works)	(+A) Godstone R.D.C.* ...	5	1	0	155	28·2	30·18	189	129
D Limpsfield (Red Lane Farm)	Capt. B. Crewdson ...	5	1	0	281	...	32·96	224	159
D Godstone (Ouborough)	J. V. Rank, Esq. ...	5	1	6	400	30·7	36·90	216	152
3.—THAMES. Darent. 22 sq. mi.									
D Westwood (Pumping Station)	East Surrey Water Co. ...	5	1	0	418	28·5	32·45	187	128
D Warlingham Park Hospital	Croydon Corporation ...	8	1	0	600	...	30·94	201	135
D Addington (Hares Bank Pump. Stn.) ...	Croydon Corporation ...	8	1	0	331	28·4	30·05	191	138
D Addington (Abbotswood)	H. C. Hawkins, Esq. ...	5	0	11	460	...	29·14	174	133
D ADDINGTON Hills Reservoir	Croydon Corporation ...	8	1	0	472	27·9	29·80	175	133
d Addington (Golf Club)	Secretary ...	5	1	2	380	...	27·42	...	...
4.—THAMES. Wandle. 71 sq. mi.									
D Kingswood (Margery Hall Res.)	Sutton District Water Co.	5	1	0	691	30·2	34·73	199	151
d Kingswood (The Chase)	H. J. Gosney, Esq. ...	5	1	0	550	...	33·13	(193)	(145)
D Woldingham Reservoir	East Surrey Water Co. ...	5	1	0	841	32·9	34·52	...	...
D Caterham Reservoir	East Surrey Water Co. ...	5	1	0	704	32·5	36·22	174	143
D Caterham (Alderstead Heath)... ..	(+A) Coulsdon & Purley U.D.C.*	5	1	0	577	31·4	34·06	203	145
D Chelsham & Woldingham W.W.	East Surrey Water Co. ...	5	1	0	478	32·5	33·38	191	138
D Caterham (White Knobs Way)	Miss V. K. Isaac ...	5	1	0	500	...	35·81	194	145
D Banstead (Burgh Heath Res.)	Sutton District Water Co.	5	1	0	582	30·8	30·72	179	136
D Chipstead (How Green Res.)	Sutton District Water Co.	5	1	0	528	31·1	31·27	185	141
d Coulsdon (The Vale)	H. E. W. Hollobone, Esq.	5	1	6	318	...	30·90	...	134
d Kenley (Refuse Disposal Works)	Surveyor ...	5	1	0	286	29·7	32·85	188	141
D Kenley (Pumping Station)	East Surrey Water Co. ...	5	1	0	275	29·0	29·86	167	134

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SURREY—(contd.).									
4.—THAMES. Wandle—(contd.).									
D Woodcote Park Golf Club ... (+A)	Coulsdon & Purley U.D.C.*	5	1	0	450	28·1	29·59	196	134
d Banstead Mental Hospital ...	The Engineer-in-Charge ...	5	4	8	410	...	30·51	165	130
D Purley (Selcroft Road) ...	E. W. Finch, Esq. ...	5	1	0	400	28·7	28·38	176	125
D Purley (Woodcote Valley Road) ...	C. Stuart Bailey, Esq. ...	5	1	0	310	29·5	29·72	183	130
D Purley Pumping Station ...	East Surrey Water Co. ...	5	1	0	214	29·3	30·20	168	132
D Purley (Pampisford Road) ...	C. Knight, Esq. ...	5	0	6	250	...	29·46	178	126
D Sanderstead (Beechwood Road) ...	G. M. Davies, Esq. ...	5	1	0	320	...	30·23	190	132
D CROYDON Airport ... (+A)	Meteorological Office ...	8	1	0	201	26·7	27·36	173	123
D Croydon (Craham Valley Road) ...	F. A. Reynolds, Esq. ...	5	1	0	350	...	29·08	167	124
D Carshalton Pumping Station ...	Surveyor, U.D.C. ...	5	1	0	84	25·9	25·98	165	125
D Beddington (Sewage Farm) ...	Croydon Corporation ...	5	1	0	129	24·5	25·24	182	124
D Beddington Park ... (+A)	Borough Council* ...	5	1	0	108	24·1	25·94	170	125
D Croydon (Northampton Road) ...	Mrs. Higgins ...	5	1	0	210	26·9	26·14	183	126
d Beddington Corner (Millgreen Rd.) ...	Messrs. G. Miller & Son ...	5	1	3	77	...	26·29	...	...
D Thornton Heath (Grange Park Road) ...	A. R. Pearce, Esq. ...	5	1	0	287	...	27·51	184	130
D Mitcham (London Road) ... (+A)	Mitcham Borough Council* ...	5	0	11	62	22·6	24·98	168	129
D Wimbledon (Durnsford Rd.) ... (+A)	T. Webster, Esq., C.E.* ...	5	1	0	58	22·6	25·33	181	129
5.—THAMES. Mole & c. 229 sq. mi.									
D Horley (Yew Trees) ...	Miss M. Macleod ...	5	1	0	180	...	30·30	181	137
D Dorking (Bramerton) ...	Rev. James F. Twist ...	5	1	0	300	32·1	36·31	183	145
D Dorking (Cliftonville) ...	E. W. Pollard, Esq., B.Sc. ...	8	1	6	300	...	35·75	179	137
D Ranmore (Denbies) ...	Mr. S. C. Westbrook ...	5	1	0	620	...	36·28	187	153
D Dorking (Pixham Lane S. Wks.) (+A)	Dorking U.D.C.* ...	5	1	0	138	29·8	33·78	193	142
D Earlswood (Sewage Farm) ... (+A)	G. G. Sanderson, Esq., C.E.* ...	5	1	6	196	27·2	31·82	190	141
D Redhill (London Road) ...	East Surrey Water Co. ...	5	1	0	270	28·4	32·20	193	141
D Reigate (Wray Park Road) ...	W. J. MacAndrew, Esq. ...	5	1	0	330	29·8	33·31	189	145
D Reigate (Castle Grounds) ...	G. G. Sanderson, Esq., C.E. ...	5	2	0	320	29·3	31·69	174	136
D Merstham (Gatton Point) ...	C. F. Bull, Esq. ...	5	1	0	300	29·2	32·41	196	142
Effingham Reservoir ...	East Surrey Water Co. ...	5	1	0	363	29·3	28·64?	...	...
D Headley Reservoir ...	East Surrey Water Co. ...	5	1	0	629	32·0	33·89	186	143
D Merstham (Merstham Lodge) ...	J. F. E. Goad, Esq. ...	5	0	11	500	...	35·18	223	152
D Headley (The Hurst) ...	Mrs. Lyall ...	5	1	0	420	30·6	34·65	184	151
d Walton-on-the-Hill ...	Mr. H. W. Hawkes ...	5	1	0	600	30·4	34·66	...	127
D Leatherhead (Elmer Softening Wks.) ...	East Surrey Water Co. ...	5	1	0	168	...	29·66	180	130
D Fetcham (Home Farm) ...	W. H. E. Rivett, Esq. ...	5	1	0	164	...	31·24	170	134
D Leatherhead (Thorncroft Manor) ...	Brit. Elec. & Allied Industries ...	5	1	0	108	...	29·87	188	135
D Leatherhead (Tyrrells Wood) ...	E. H. Cutbill, Esq. ...	5	1	0	410	...	(31·90)	(175)	(139)
D Tadworth (Pumping Station) ...	Banstead U.D.C. ...	5	1	0	405	...	32·43	187	135
D Ashted (Park Lane) ...	G. R. Crompton, Esq. ...	8	1	0	318	...	30·73	189	135
D Leatherhead (Sewage Works) (+A)	F. J. Southam, Esq.* ...	5	1	0	104	25·9	29·66	180	138
D Epsom (Downs Road) ...	T. N. Young, Esq., M.B.E. ...	5	1	0	400	...	31·09	178	135
D Cobham (Towngate) ...	E. Boughton, Esq. ...	5	1	0	160	...	27·64	167	127
D Epsom College ...	S. A. Weare, Esq. ...	8	1	6	300	26·9	28·45	182	130
D Cobham (Sewage Works) ...	Esher U.D.C. ...	8	1	0	71	...	26·80	183	132
D Banstead Grange ...	Mrs. Powell ...	5	0	10	390	...	32·48	182	147
D Epsom (Sewage Farm) ...	Surveyor* ...	8	1	0	125	...	27·70	174	126
D Epsom (Waterworks) ...	T. N. Young, Esq., M.B.E. ...	5	1	0	150	...	29·54	175	126
D Whiteley Village ...	Whiteley Homes Trust ...	8	3	4	190	24·3	26·11	189	134
D Epsom (Long Grove House) ...	Dr. F. G. L. Barnes ...	5	1	0	130	...	26·17	174	123
D Claygate (Hertslets) ...	N. C. Armitage, Esq. ...	5	1	0	106	23·8	24·78	186	137
D Sutton (Waterworks) ...	Sutton District Water Co. ...	5	1	0	161	25·4	26·18	174	128
D Sutton (Sewage Works) ... (+A)	N. H. Michell, Esq., C.E.* ...	5	1	0	99	24·7	26·18	173	125
D Epsom (Ruxley Lane S. Wks.) (+A)	Surveyor* ...	5	1	6	76	23·2	25·80	161	132

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SURREY—(contd.).									
5.—THAMES. Mole & c.—(contd.).									
D Weybridge (Weyland S. Wks.)	(+A) Walton & Weybridge U.D.C.*	5	1	0	50	22·8	25·01	183	127
D Esher (Sewage Works)	... Esher U.D.C.	5	2	0	44	...	25·62	163	133
d Esher (Penlea)	... P. W. Partridge, Esq.	5	0	11	35	...	26·43	...	123
D Worcester Park (Sewage Wks.)	(+A) N. H. Michell, Esq., C.E.*	5	1	0	68	24·4	26·29	168	126
D Old Malden (Sports Ground)	(+A) Malden & Coombe B.C.*	5	0	8	64	24·3	27·06	162	131
D Morden Hall	(+A) R. W. North, Esq., C.E.*	5	1	2	117	...	26·52	180	125
D Surbiton (Seething Wells)	... Met. Water Board	5	0	10	34	24·5	27·22	179	138
D Surbiton (Sewage Disp. Wks.)	(+A) Borough Engineer	5	1	0	51	23·1	24·71	168	126
D West Molesey (Walton Works)	... Met. Water Board	5	1	0	35	23·1	26·84	171	127
D New Malden (Sewage Wks.)	(+A) Malden & Coombe B.C.*	5	0	10	51	22·8	24·12	163	125
D New Malden (High Drive)	... Mrs. Ben. G. Brame	5	1	0	60	24·1	26·01	181	130
D New Malden (Acacia Grove)	... A. C. Josling, Esq.	5	1	0	50	...	26·66	202	125
D Kingston (Canbury Gardens)	(+A) G. C. Stedman, Esq., *	5	1	0	25	22·7	25·64	167	126
D Merton Park (Mostyn Road)	... A. T. Bench, Esq.	5	1	0	55	...	27·09	184	123
D Merton (Joseph Hood Rec. Gd.)	... R. W. North, Esq., C.E.	5	1	0	48	23·5	26·52	182	131
D Raynes Park (Cottenham Park P.S.)	... T. Webster, Esq., C.E.*	5	1	0	50	23·9	25·80	184	125
D New Malden (Kingston Vale)	(+A) Malden & Coombe B.C.*	5	1	1	47	...	26·67	166	130
D Richmond (Terrace Gardens)	... G. Humphreys, Esq.	5	1	3	29	23·5	26·58	170	131
D East Sheen Cemetery	(+A) Barnes Corporation*	5	0	10	88	22·4	26·03	165	124
D KEW OBSERVATORY	(+A) Meteorological Office	8	1	0	18	23·8	25·06	169	125
D Kew (Royal Botanic Gardens)	... Director	8	0	9	18	23·4	29·80	167	126
D Barnes (Barn Elms)	... Met. Water Board	5	1	0	16	22·9	24·33	164	124
6.—THAMES. Wey. 236 sq. mi.									
D Shottermill (Sewage Works)	(+A) Surveyor*	5	1	7	381	35·2	39·68	196	145
D Haslemere (Church Hill)	... T. M. Shewell, Esq.	5	1	0	520	...	40·67	176	140
D Hindhead Waterworks	... Wey Valley Water Co.	5	1	0	839	34·5	40·87	171	138
D Churt (Firdown)	... W. E. Livock, Esq.	5	1	0	490	...	39·19	187	136
D Oakwoodhill (Smokejack Farm)	... Major P. L. G. Renny	5	1	0	284	...	33·16	171	135
D Cranleigh (Lambwood)	... Cranleigh Water Co.	5	0	10	300	...	32·73	...	124
D Cranleigh (Sewage Works)	... Surrey County Council	5	1	0	154	...	32·47	176	135
D Hascombe (Olivers)	... Miss F. C. Musgrave	5	1	2	361	31·7	34·86	175	134
D Hascombe Court	... Sir John Jarvis, Bt., M.P.	5	1	0	420	32·0	34·69	166	141
D Hascombe (Winkworth Hanger)	... J. H. Wenham, Esq.	5	1	0	430	...	34·55	183	136
D Witley (King George V Sanatorium)	... Dr. J. V. Hurford	5	1	0	305	30·7	34·21	179	139
D Ewhurst (Copse Hill)	... Mr. A. P. Clow	5	1	6	600	...	30·91	175	139
D Ewhurst (Coneyhurst)	... Mrs. M. D. Hollowood	8	0	9	600	...	34·98	175	139
D Ewhurst (Woolpit)	... F. Butterick, Esq.	5	1	0	600	32·3	36·42	195	148
D Godalming (Munstead Heath)	... Mrs. M. M. Hodsoll	5	1	0	550	30·3	32·48	...	130
D Godalming (Ockford Pumping Stn.)	... Engineer and Manager	8	1	0	152	...	33·22	177	142
D Milford (Kennel Moor)	... G. S. Sansom, Esq., D.Sc.	5	1	0	180	...	33·25	179	135
D Godalming (Kingscote)	... Rev. F. P. Synge	5	2	0	280	...	33·05	195	137
D Godalming (Borough Road P.S.)	... Engineer and Manager	8	1	0	120	28·7	30·92	184	141
D Godalming (Eashing)	... Major C. V. Kitcat	5	4	6	300	...	30·38	158	132
D FARNHAM (ROWLEDGE)	... Late A. Hampton Brown, Esq.	5	1	0	300	...	33·03	185	142
D Farnham (Little Park)	... Major G. A. Moxon	5	1	0	400	...	32·32	162	131
D Holmbury St. Mary (Feldemore)	... Mr. W. E. Hobday	5	2	0	500	32·0	37·68	183	151
D Peaslake (Southcots)	... J. S. Moffat, Esq.	5	1	0	420	33·1	37·13	200	153
D Abinger Common (Furzen Wood)	... Major E. J. Lugard, D.S.O.	5	1	0	555	31·0	34·23	196	150
D Shalford (Unstead Sewage Works)	... Borough Surveyor	5	0	6	120	...	32·50	177	141
D Shalford (The Hutch)	... Capt. G. C. Pentland	5	1	2	180	...	32·24	186	143
D Farnham (West Street)	... Capt. A. M. H. Fergus	5	1	0	230	...	32·15	170	136
D Seale (Binton Cottage)	... J. R. Colyer, Esq.	5	1	0	310	...	31·39	...	133
D Chilworth (Braunston)	... E. Ramsay, Esq.	5	0	11	170	...	31·08	183	134

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.		ft.				in.	in.
SURREY—(contd.).									
6.—THAMES. Wey—(contd.).									
D FARNHAM (Castle Street) ...	... A. C. Hunt, Esq. ...	5	1	0	256	...	31.39	163	129
d Puttenham (Berthorpe) ...	... Miss R. Tuckwell ...	5	1	0	350	28.3	32.42	166	136
D Farnham (Beechwood) ...	... Mrs. K. M. Lewis ...	5	1	0	275	...	31.22	160	130
D Guildford (Onslow Village) ...	... C. O. Hunt, Esq. ...	5	0	9	300	...	30.03	183	132
D Guildford (Avonmore Avenue) ...	... Mrs. M. H. Fulk ...	5	1	0	184	...	30.57	169	137
D Guildford (Boxgrove School) ...	... Capt. V. H. Holroyd, F.R.G.S.	5	1	0	200	...	28.10	157	133
D Guildford (Joseph's Road) ...	(+A) Borough Surveyor* ...	5	1	2	98	25.0	28.77	172	130
D Guildford (Burpham) ...	... V. B. Longhurst, Esq. ...	5	1	0	105	...	29.38	185	140
D West Clandon ...	... J. Dalrymple, Esq., C.E. ...	8	1	0	319	28.5	30.03	183	140
East Horsley (Ethandown) ...	... Basil D. Tims, Esq. ...	5	1	0	280	...	31.06	...	...
D Pirbright (Bakersgate) ...	... The Hon. C. Lyle ...	5	0	9	120	...	31.11	177	138
D Old Woking (The Gresham Press) ...	... Unwin Bros. Ltd. ...	5	1	0	50	...	29.05	162	131
D Woking (The Grange) ...	... Miss M. E. Wilson ...	5	1	0	81	...	30.53	180	137
D Old Woking (Sewage Works) ...	... Woking U.D.C. ...	5	1	0	76	24.9	27.32	171	134
D Woking (Council Office) ...	(+A) Woking U.D.C. ...	5	1	0	132	25.0	27.64	161	130
D Woking (Percy Street) ...	... J. Dalrymple, Esq., C.E. ...	8	1	0	100	...	27.71	167	131
d Woking (Goldsworth Road Depot) ...	... Woking U.D.C. ...	5	1	0	96	25.3	28.99	174	134
D Byfleet (WISLEY R.H.S. Gdns.) ...	... Director ...	8	1	0	150	24.1	27.21	174	130
D Wisley (Outfall Works) ...	... Woking U.D.C. ...	5	1	0	53	24.5	27.18	173	133
d West Byfleet (Scotland Bridge) ...	... Woking U.D.C. ...	5	1	0	67	...	27.97	...	137
D Addlestone ...	... W. V. Davies, Esq., C.E. ...	8	1	0	46	24.0	27.92	166	134
D Weybridge (Oil Mills) ...	... A. Whittet, Esq. ...	5	1	0	36	23.7	26.43	177	132
d Walton-on-Thames W.W. ...	... West Surrey Water Co. ...	5	1	4	33	23.0	27.07	166	137
7.—THAMES. Bourne. 55 sq. mi.									
D Chobham (West End) ...	... F. A. Walter, Esq. ...	5	1	0	150	25.8	32.02	195	140
D West Byfleet (N. Zealand Golf Club) ...	... Secretary ...	5	1	7	100	...	27.98	178	135
D Bagshot ...	... J. Waterer, Sons & Crisp, Ltd. ...	5	0	11	270	...	29.64	162	127
D Windlesham (Windlesham House) ...	... R. Adml. A. Cochrane, C.M.G. ...	5	1	0	200	26.1	30.31	179	135
D Windlesham (Woodside) ...	... A. R. F. Bosman, Esq. ...	5	0	11	250	...	29.19	229	123
D Weybridge (Veterinary Lab.) ...	... Director ...	5	1	0	56	...	26.30	154	124
D Weybridge (St. George's College) ...	... Rev. C. K. Bryant ...	5	1	0	46	...	27.69	159	132
d Chertsey (Long Cross) ...	... Lord Brabazon of Tara ...	5	1	6	35	...	30.23	...	...
D Chertsey ...	... W. V. Davies, Esq., C.E. ...	8	1	0	42	23.3	28.50	191	134
D Chertsey (Abbey Meads) ...	... J. Dalrymple, Esq., C.E. ...	5	0	9	53	23.0	25.68	159	129
D Chertsey (Lyne Farm S.W.) ...	... Surrey County Council ...	5	1	0	93	...	27.41	180	131
D Egham (Englemede) ...	... Major Ramsay Feilden ...	5	1	4	265	...	28.50	154	132
D Egham (Waterworks) ...	... S.W. Suburban Water Co. ...	5	1	0	54	...	27.78	174	128
8.—THAMES. Loddon. 17 sq. mi.									
D Frimley Pumping Station ...	... Mid-Wessex Water Co. ...	5	1	0	213	...	29.81	150	131
D Camberley (Sewage Works) ...	... Surrey County Council ...	5	1	0	198	26.4	29.55	176	132
KENT. (Area, 1,532 sq. mi.)									
1.—ROTHER & C. 217 sq. mi.									
D RYE (R.A.F. Station) ...	(+A) Meteorological Office ...	5	1	0	12	...	26.30	170	120
D Brookland (Poplar Hall) ...	... Major J. R. Ainslie, B.Sc. ...	5	2	0	12	...	24.75	174	121
D Wittersham (Mount Pleasant) ...	... N. Lang-Smith, Esq. ...	8	1	0	200	...	29.12	190	134
D Wittersham (Huggetts Farm) ...	... G. L. Billson, Esq. ...	5	1	0	140	...	28.46	174	135
D Dymchurch (Slieve Truim) ...	... D. Hamill Morton, Esq. ...	5	1	0	9	...	27.14	174	126
Sandhurst (Field Green) ...	... J. L. Tweedie, Esq. ...	8	1	0	199	...	32.64	...	...
D Kenardington (The Firs) ...	... Cmdr. F. H. Lyon, D.S.O. ...	5	1	2	65	...	27.10	183	135

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of Rim above Ground	Height of Ground above Sea Level			Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
KENT—(contd.).									
1.—ROTHER & C.—(contd.).									
D Tenterden (East Hill)	Urban District Council ...	5	0	8	179	...	27·07	175	125
D Hythe	Borough Surveyor	5	1	1	15	28·0	30·88	191	137
D Hythe (Seabrook Road)	C. R. Lilburn, Esq....	5	1	6	0	...	27·36	175	133
D Hythe (Sandling Park)	Major A. E. Hardy	8	1	0	260	...	32·89	176	136
D Bonnington (Rectory)	D. W. J. Sampson, Esq. ...	5	1	0	45	...	26·42	162	126
D Saltwood (Cylinder)	Miss M. Lethbridge	5	1	0	230	...	31·57	178	138
D FOLKESTONE (The Leas)	(+A) Borough Engineer ...	5	1	0	128	28·6	27·89	180	131
D Folkestone (Cherry Garden) ...	Folkestone W.W. Co.	5	1	6	230	29·1	31·70	176	139
D Alkham (Lower Standen)	Folkestone W.W. Co.	5	1	0	250	...	35·14	183	138
D DOVER (Waterloo Crescent)	Borough Engineer	5	1	0	19	...	27·45	182	129
D Dover Waterworks	Borough Engineer	5	1	0	200	...	27·38	154	127
D Dover (Buckland)	Guy Mannering, Esq. ...	8	1	6	50	...	31·19	166	134
2.—STOUR & C. 386 sq. mi.									
D LYMPNE Airport	(+A) Meteorological Office ...	5	1	0	346	26·7	29·51	180	132
D Lyminge (Elham Valley W.W.) ...	Philip Harris, Esq.	5	1	6	445	...	33·51	144	133
D Elham (Ottinge)	S. G. Holmans, Esq.	5	1	9	300	...	36·52	150	135
D Ashford (Gas Works)	L. G. Kimmins, Esq.	5	1	0	125	...	29·31	177	140
D Ashford	Messrs. Headley Bros. ...	5	1	0	190	...	30·63	194	139
D Ashford (Albert Road)	A. E. Brounger, Esq.	5	1	0	185	...	30·24	191	137
D Ashford (Belmore)	J. W. Kennard, Esq.	5	1	0	200	...	29·49	165	132
D Dover (Martin Mill Pump. Station)	W. A. Parker, Esq.	5	1	0	287	...	30·60	172	138
D WYE (S. E. Agricultural College)	Principal	5	1	0	164	...	29·95	178	129
D Waldershare Park Gardens	Mr. J. Beer	8	1	0	250	33·2	36·39	194	156
D Charing (Egerton)	G. L. Wall, Esq.	5	1	0	300	...	27·89	192	135
D Charing (Pett Place)	J. E. Hosking, Esq....	5	1	0	300	...	30·84	...	125
D Deal & Walmer Waterworks	W. Mantle, Esq.	5	1	0	110	28·0	27·39	190	135
D Barham (Old House)	L. S. Osmaston, Esq.	5	0	9	175	...	30·31	185	121
D Barham Pumping Station	W. A. Parker, Esq.	5	1	0	173	...	31·88	173	130
D Nonington (Red Tiles)	C. G. W. Lewis, Esq.	5	1	0	140	...	28·49	184	135
D Worth (Upton House)	Capt. W. Elwin Napier ...	5	1	0	32	27·7	31·02	160	138
D Wingham (Margate W.W.)	Superintendent	5	1	0	138	28·7	29·98	177	128
D Chilham (Lower Ensdon)	F. Ivo Neame, Esq.	5	3	0	305	...	30·68	162	131
D Sandwich (Loop Street)	Borough Surveyor	5	0	10	15	...	26·40	180	124
D Canterbury (Harbledown)	W. Norris, Esq.	5	1	0	155	...	23·18	158	119
D Canterbury (London Road)	Miss B. Spillett	5	1	0	66	28·7	25·53	179	126
D Canterbury (Sewage Works)	Manager	5	1	6	15	27·5	26·95	178	127
D ELMSTONE (Court Farm)	J. B. Henderson, Esq. ...	5	1	0	28	...	24·37	166	113
D RAMSGATE (East Cliff)	Borough Engineer	8	1	0	80	...	22·56	152	121
D MANSTON Airfield	(+A) Meteorological Office ...	8	1	0	154	...	23·06	172	110
D Broadstairs (Grange Road)	C. Saunders, Esq.	5	1	0	159	...	23·28	183	108
D Broadstairs (Pierremont Park)	Surveyor	5	1	9	127	23·7	25·29	180	124
D MARGATE	Town Clerk	5	1	0	51	22·8	21·63	142	106
3.—SWALE & C. 167 sq. mi.									
D THROWLEY (Newlands Farm)	Thomas Neame, Ltd.	5	1	0	493	...	30·28	190	138
D Selling (Perry Cottage)	F. Ivo Neame, Esq.	5	1	5	320	...	29·03	168	121
D Selling (Luton)	F. Ivo Neame, Esq.	5	4	9	300	30·4	26·54	160	118
D Sittingbourne (Torry Hill)	D. Leigh Pemberton, Esq. ...	5	1	0	497	...	31·01	167	131
D Newnham (Pumping Station)	W. A. Parker, Esq.	5	1	0	107	...	26·45	153	120
D Faversham W.W.	Engineer and Manager	8	1	0	132	...	25·93	190	122
D Ospringe (Lorenden)	Messrs. G. W. Finn & Sons	5	1	6	175	...	26·71	148	126
D Sittingbourne (Highsted W.W.) ...	Sittingbourne U.D.C.	5	1	7	138	...	27·20	169	123
D SITTINGBOURNE	Kent Farm Institute	5	1	0	225	...	28·34	154	117
D Faversham (Sewage Disp. Works)	Engineer and Manager	8	1	0	22	...	25·84	186	116

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

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		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
KENT—(contd.).									
3. SWALE & C.—(contd.).									
D Whitstable (Green Lees) ...	W. H. Wetherell, Esq. ...	5	1	0	125	...	26.15	190	130
d Teynham (Newgardens) ...	Mrs. Honeyball ...	5	1	5	30	24.5	23.10	...	...
D Milton Regis (Sewage Works) ...	Sittingbourne U.D.C. ...	5	0	8	8	...	22.83	176	114
D WHITSTABLE (Westmeads Rec. Grd.) ...	Urban District Council ...	5	1	0	9	...	20.39	140	101
Herne Bay (Waterworks) ...	J. Roberts, Esq. ...	5	1	0	125	22.8	22.28	...	...
D HERNE BAY (St. Anne's Home) ...	Urban District Council ...	5	1	0	21	...	20.04	154	106
D Eastchurch (Barnland) ...	A. Beal, Esq. ...	5	1	0	180	...	21.15	153	117
4.—MEDWAY. 506 sq. mi.									
D GOUDHURST (Bedgebury Forest) ...	Forestry Commission ...	5	1	0	290	...	34.44	199	141
d Goudhurst (Bedgebury Pk. Gdns.) ...	Mr. H. Arnold ...	5	1	0	280	...	35.58	156	134
D Scotney Castle ...	E. W. Hussey, Esq. ...	5	2	0	200	...	30.48	166	125
D Cranbrook (Little Glassenbury) ...	J. I. Stirling, Esq. ...	5	0	10	360	...	33.03	174	129
D Goudhurst (Gore Court) ...	J. A. Druce, Esq. ...	5	1	0	197	30.3	31.12	181	135
D TUNBRIDGE WELLS (Calverley Pk.) ...	Medical Officer of Health ...	5	1	0	351	...	27.68	182	123
D Speldhurst Rectory ...	Rev. Canon H. Mallinson ...	5	0	10	334	...	31.51	171	135
D Pembury (Waterworks) ...	H. P. Bishop, Esq., C.E. ...	5	1	0	197	...	27.00	168	113
D Edenbridge (Falconhurst) ...	Hon. Mr. Justice Talbot ...	5	1	6	375	30.7	32.64	178	128
D Edenbridge (Stonewall Park) ...	Lt.-Col. E. R. Meade-Waldo ...	5	1	1	344	...	31.57	175	126
D Penshurst Place ...	Lord De L'Isle and Dudley ...	5	1	6	120	...	28.59	180	118
D Headcorn (Great Tong) ...	A. E. A. Day, Esq. ...	8	1	0	110	...	26.39	174	116
D Paddock Wood (Eastlands Farm) ...	Hernden Farms Ltd. ...	5	1	0	55	...	28.50	169	121
D Hildenborough (Gailes) ...	E. E. Roper, Esq. ...	5	1	0	159	...	29.33	156	127
D Hildenborough (Hollanden House) ...	C. H. Scott, Esq. ...	8	1	0	99	...	29.26	165	125
Hildenborough (Old School Cottage) ...	J. S. Roper, Esq. ...	5	1	0	270	...	29.01	...	...
D East Peckham (Woodbine) ...	W. H. Pearson, Esq. ...	8	1	0	47	...	26.03	148	114
D Chart Sutton (Amberfield Farm) ...	Hernden Farms Ltd. ...	5	1	0	350	...	26.75	160	125
D Lenham (Lenham Court) ...	Major W. T. Pitt ...	5	1	0	400	...	30.45	171	130
D Langley (Rumwood Court) ...	Mr. H. Parsons ...	5	1	9	354	...	27.74	168	124
D Lenham ...	D. F. Tysoe, Esq. ...	5	1	6	400	...	30.35	165	128
d Sevenoaks (River Hill) ...	Major D. M. Rogers ...	5	1	0	500	30.0	31.90	151	134
D Maidstone W.W. (Barming) ...	C. H. Harden, Esq., C.E. ...	5	1	4	247	...	26.24	162	117
D Maidstone (Mill Street) ...	J. H. Hughes, Esq. ...	8	6	0	37	...	27.70	188	121
D Bearstead (Thurnham P.S.) ...	W. A. Parker, Esq. ...	5	1	0	107	...	29.23	176	127
D Maidstone (Branchley Gardens) ...	J. H. Hughes, Esq. ...	5	0	9	49	...	26.00	150	113
D WEST MALLING Airfield ... (+A)	Meteorological Office ...	5	1	0	309	...	25.98	170	120
D EAST MALLING (Research Station) ...	Director ...	8	1	0	132	26.1	27.36	184	123
D Maidstone (Boxley Road) ...	A. O. Mead, Esq. ...	5	0	10	230	...	25.97	168	121
D Maidstone (Allington Lock) ...	Mr. A. H. Reed ...	5	1	0	20	...	24.65	143	113
D Aylesford (Forstal Pumping Stn.) ...	C. H. Harden, Esq., C.E. ...	5	1	4	20	...	26.23	174	118
D Wrotham (Borough Green) ...	Major Noel Thomas, M.B.E. ...	5	1	0	300	...	29.07	198	129
D Ightham (Oldbury Farm) ...	Hernden Farms Ltd. ...	5	1	0	410	...	33.61	196	126
D Trottscliffe Pumping Station ...	W. A. Parker, Esq. ...	5	1	8	250	...	29.48	159	123
D Maidstone W.W. (Boxley) ...	C. H. Harden, Esq., C.E. ...	5	1	0	319	...	26.91	162	119
D Hartlip (Matts Hill Pumping Stn.) ...	A. E. Watkins, Esq., B.Sc. ...	5	1	0	225	...	29.56	157	130
D Chatham (Woolmans Wood) ...	A. E. Watkins, Esq., B.Sc. ...	5	3	0	470	...	27.96	148	130
D Halling (Pumping Station) ...	W. A. Parker, Esq. ...	5	1	0	75	...	26.54	155	127
D Chatham (Nashenden P.S.) ...	A. E. Watkins, Esq., B.Sc. ...	5	0	9	125	...	26.82	147	124
D Chatham (Luton W.W.) ...	A. E. Watkins, Esq., B.Sc. ...	5	3	0	88	...	25.52	160	123
d Gillingham (Sewer Plant) ...	Borough Engineer ...	5	1	0	238	...	24.89	150	118
D Cuxton (Pumping Station) ...	Cuxton Water Committee ...	5	1	0	87	...	26.72	176	117
D Rainham (Motney Hill) ...	J. B. Harvey, Esq. ...	5	1	0	28	...	22.37	140	104
D Strood (Waterworks) ... (+A)	City Surveyor ...	5	1	0	112	22.9	25.54	167	126
D Frindsbury (Shornells) ...	F. J. Talbot, Esq. ...	5	1	3	50	...	26.26	181	130
D Higham (Forge Lane) ...	E. N. M. Wadman, Esq. ...	5	1	0	200	...	25.61	164	123

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
KENT—(contd.).									
5.—THAMES. Darent & c. 256 sq. mi.									
d Westerham Town ...	Met. Water Board ...	5	1	0	380	...	31·60	180	138
d Westerham Hill Pumping Station ...	Met. Water Board ...	5	1	0	539	...	35·28	194	152
d Sundridge Pumping Station ...	Met. Water Board ...	5	1	0	270	...	31·40	181	141
d Sevenoaks (Oak Lane) ...	E. H. Evans, Esq. ...	8	1	6	428	...	31·30	...	...
d Tatsfield (Betsoms Hill) ...	Met. Water Board ...	5	1	0	820	...	35·66	181	143
w Seal (Oak Bank Reservoir) ...	E. H. Evans, Esq. ...	8	1	3	548	...	30·03	...	...
d Sevenoaks (Cramptons Rd. P.S.) ...	E. H. Evans, Esq. ...	8	1	0	222	...	30·15	181	134
w Seal (St. Lawrence Reservoir) ...	E. H. Evans, Esq. ...	8	1	3	665	...	30·31	...	...
d Seal (Kemsing Pumping Station) ...	E. H. Evans, Esq. ...	5	1	3	292	...	32·45	180	132
d Sevenoaks (Chevening Gardens) ...	Head Gardener ...	5	1	0	360	...	35·81	205	147
d Knockholt (Kent Waterworks) ...	Met. Water Board ...	5	1	0	785	29·9	36·66	183	151
d Biggin Hill Airfield ...	Meteorological Office ...	5	1	0	560	...	31·57	191	135
d Wrotham (Fairseat Manor) ...	A. E. D. Anderson, Esq. ...	5	0	11	700	...	32·38	173	138
d Downe (Down House) ...	Dr. O. J. R. Howarth, O.B.E. ...	5	1	1	560	...	32·42	186	148
d Shoreham (Highfield) ...	Sir Herbert B. Cohen, Bart. ...	5	0	9	650	...	33·30	170	153
d West Wickham (Pumping Station) ...	Met. Water Board ...	5	1	0	240	...	27·82	176	132
d Eynsford Pumping Station ...	Met. Water Board ...	5	1	2	131	...	26·95	178	127
w Farningham (Dunbrae) ...	Bertram Grey, Esq. ...	5	1	0	230	...	26·60	...	...
d Orpington (Kent Waterworks) ...	Met. Water Board ...	5	0	7	220	...	27·81	187	131
d West Wickham (Woodland Way) ...	D. A. Worthington, Esq. ...	5	1	0	325	...	27·75	193	131
d Longfield (Hartley) ...	Hartley Water Committee ...	5	1	0	270	...	27·52	164	128
d Crockenhill (Wested Farm) ...	A. T. Miller, Esq. ...	5	1	6	331	...	26·62	...	...
d Orpington (Chislehurst Road) ...	J. S. Powell, Esq. ...	5	1	0	272	...	28·06	188	132
d Cobham (Crossways) ...	Mrs. A. M. Marsh ...	5	3	0	320	...	27·27	177	130
d Horton Kirby (Court Lodge) ...	R. W. Rogers, Esq. ...	5	1	9	30	...	23·56	513	119
d Nurstead (Downs Road W.W.) ...	Gravesend & Milt'n W.W.Co. ...	8	1	0	164	...	26·92	183	131
d Beckenham (Hayes Way) ...	G. H. Preston, Esq. ...	5	0	9	210	...	24·29	...	...
d BROMLEY ...	Borough Engineer ...	5	1	0	213	24·2	25·17	179	125
d Bromley (Bishops Avenue) ...	G. H. Franey, Esq. ...	8	1	0	190	...	25·76	175	132
d Beckenham (Croydon Road) ... (+A)	Borough Engineer ...	8	1	0	110	...	25·47	175	134
d Penge (Recreation Ground) ...	Surveyor ...	5	1	1	122	24·6	26·50	166	126
d Anerley (Oakfield Road) ...	Miss S. Stannard ...	5	1	5	180	...	28·00	180	137
d Chislehurst (Scadbury Park) ...	Maj. J. Marsham-Townsend ...	5	1	0	240	24·6	25·83	199	130
d Chislehurst (Camden Park Road) ...	G. C. Hawkins, Esq. ...	5	0	9	200	...	27·23	181	133
d Bromley (Henville Road) ...	W. M. Smith, Esq., M.B.E. ...	5	1	0	230	...	24·50	181	128
d Southfleet (Hook Place Farm) ...	J. J. Barker, Esq. ...	5	1	0	100	...	23·67	...	...
d Wilmington (Orchard Way) ...	P. Stone, Esq. ...	5	1	0	115	...	23·78	153	121
d WILMINGTON (Glasshouse Dem. Stn.)	Kent Education Committee ...	5	1	0	212	...	24·39	168	123
d Southfleet (Kent Waterworks) ...	Met. Water Board ...	5	1	0	82	...	25·60	180	126
d Gravesend (Southfields School) ...	J. M. Evans, Esq. ...	5	0	10	110	...	23·58?	173	131
d Wilmington (Kent Waterworks) ...	Met. Water Board ...	5	1	5	25	...	24·83	172	132
d DARTFORD (Central Park) ...	Borough Engineer ...	5	1	0	17	...	23·78	184	126
d Stone (Stone House Hospital) ...	T. J. Phillips, Esq. ...	5	1	2	115	...	22·81	156	116
d Bexleyheath (Danson Park) ...	Surveyor ...	5	1	0	164	...	24·47	175	122
d Dartford (Sewage Works) ...	Resident Engineer ...	5	1	0	14	...	22·68	161	127
d Erith (Sewage Works) ...	Erith U.D.C. ...	5	1	0	13	...	22·34	168	106
d Higham Waterworks ...	Engineer and Manager ...	8	1	0	141	...	28·60	147	124
d Erith (Crossness) ...	London County Council ...	5	1	8	26	20·8	21·06	147	125
SUSSEX. (Area, 1,458 sq. mi.)									
1.—LAVANT & C. 175 sq. mi.									
d Sidlesham (Council School) ...	Headmaster ...	5	1	0	15	...	27·46	161	128
d BOGNOR REGIS (Waterloo Square) ...	Town Clerk ...	8	1	0	24	25·9	27·80	157	124

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
		in.	ft.	in.	ft.	in.	in.		
SUSSEX—(contd.).									
1.—LAVANT & C.—(contd.).									
D Bognor Regis (Albert Road) ...	... W. L. Guernonprez, Esq.	8	1	0	17	26·3	29·15	177	123
D CHICHESTER (BIRDHAM) ...	... S. A. Searle, Esq. ...	5	1	0	16	...	28·38	154	118
D Merston (Abelands) ...	... The Hon. Sybil Hood ...	5	0	9	24	28·8	28·87	169	117
D Bosham (Cobnor) ...	... Major S. W. P. Beale ...	5	0	10	8	27·7	30·40	158	116
D Thorney Island Airfield ...	... Meteorological Office ...	5	1	0	11	...	26·50	155	108
D Chidham (Chidmere) ...	... H. L. Baxendale, Esq. ...	5	1	0	14	...	30·12	147	115
d Bosham (Council School) ...	... Headmaster ...	5	0	6	14	27·2	29·40	...	114
D Chichester (Apuldram) ...	... S. J. K. Eames, Esq. ...	5	0	10	14	27·9	28·12	158	122
D Chichester (Kingsham Farm) ...	... Director of Agriculture ...	5	1	0	35	29·0	30·08	159	126
D Chichester (West Street) ...	... Dr. W. Dick ...	5	1	0	40	28·3	30·38	166	123
D Chichester (County Hall) ...	... D. Farr, Esq. ...	5	1	0	40	29·1	30·44	163	129
D Chichester (Pine Grove) ...	... L. Evershed-Martin, Esq. ...	5	0	10	90	...	34·62	159	122
D TANGMERE Airfield ...	(+A) Meteorological Office ...	5	1	0	50	...	29·60	164	123
D Arundel (West Walberton) ...	... P. A. Bissett, Esq. ...	5	1	0	90	...	31·36	174	134
D Chichester (Funtington Pumping Stn.)	A. N. Burgess, Esq. ...	5	1	0	112	...	32·51	158	118
D Emsworth (Stansted Park) ...	... The Earl of Bessborough ...	5	1	1	140	...	34·24	184	129
D West Dean Park ...	... W. H. Lines, Esq. ...	5	1	0	190	36·4	38·22	160	133
D Chilgrove House ...	... C. F. W. Dimond, Esq. ...	5	1	0	266	35·0	40·08	170	127
D Compton (Compton House) ...	... Miss K. B. Langdale ...	5	1	0	263	36·6	41·17	168	145
2.—ARUN. 285 sq. mi.									
D LITTLEHAMPTON (Met. Station) ...	... Clerk to the U.D.C. ...	5	1	0	19	26·2	27·78	158	117
D Worthing (Ferring) ...	... Dr. L. S. F. Woodhead ...	5	1	0	26	...	29·45	178	117
D Angmering (Elmhurst) ...	... Miss M. Orme ...	5	0	10	44	...	31·21	195	130
D Patching Farm ...	... Michael Drewitt, Esq. ...	5	1	0	180	30·8	30·43	147	114
D Arundel Castle ...	... The Duke of Norfolk ...	5	1	0	106	31·3	30·89	161	122
d Bury (Rover's Cottages) ...	... C. P. Gates, Esq. ...	5	0	10	70	35·6	41·74	178	132
D Storrington (Greyfriars) ...	... Major J. R. Abbey ...	5	1	0	250	35·6	35·40	155	119
Bignor ...	... Major G. B. Hill, O.B.E. ...	5	1	0	175	37·3	41·72	...	...
D Pulborough (Parham) ...	... R. E. Whitaker, Esq. ...	5	1	6	98	33·6	36·57	189	121
D Pulborough (Bignor Park) ...	... Viscountess Mersey ...	5	1	3	75	...	40·44	164	139
D Petworth (Barlavington Farm) ...	... J. A. G. Bragg, Esq. ...	5	0	9	181	...	41·21	162	127
D Pulborough (Codmore Hill) ...	... A. Newnham, Esq. ...	5	1	0	165	32·0	33·44	182	128
D Byworth (Edgehill) ...	... W. H. Boniface, Esq. ...	5	1	0	100	...	37·34	175	126
D Petworth Park Gardens ...	... Lord Leconfield ...	5	1	0	250	33·1	33·69	150	128
D Rogate (Fyning) ...	... H. W. A. Bodkin, Esq. ...	5	1	0	230	31·2	36·47	178	133
Rogate (Durford Wood) ...	... Mrs. A. M. Kennion ...	5	0	9	400	34·9	43·31	...	...
d Rogate (Old Copse)* ...	... late Miss E. Barton ...	5	1	0	500	...	35·99	...	...
Rogate (Fyning Combe) ...	... J. Gore, Esq., C.V.O. ...	5	0	8	420	...	39·03	...	...
D Fernhurst (Research Station) ...	... Plant Protection Ltd. ...	8	1	0	229	...	36·33	185	138
D Kirdford (Hills Green) ...	... L. Baker, Esq. ...	5	1	0	150	27·8	31·31	157	124
D Liss (Clayton Court) ...	... Head Gardener ...	5	1	0	480	35·2	43·39	190	134
D Liss (Hill Brow) ...	... F. W. Beckford, Esq. ...	5	1	0	500	35·8	41·65	199	133
D Horsham (Whites Bridge) ...	... N.W. Sussex Water Board ...	5	1	0	139	30·9	32·65	174	130
D Lower Beeding (The Warren) ...	... Miss Reed ...	5	0	10	430	31·6	34·40	186	147
D Horsham (Tower Hill) ...	... Mrs. Charles Marsh ...	5	1	0	220	28·3	28·05	170	122
D Horsham (Sewage Disposal Works) ...	... J. P. Ridd, Esq., B.Sc. ...	8	1	0	120	29·3	30·66	175	127
D Horsham (Springfield Park) ...	... Capt. G. L. Cattell ...	5	1	0	150	...	31·21	165	126
D Horsham (Rushams Road) ...	... A. H. Wickersham, Esq. ...	5	1	0	140	...	32·09	173	128
D Horsham (Windyridge) ...	... R. A. West, Esq. ...	5	1	0	260	...	30·44	172	127
D Horsham (Wimblehurst) ...	... Miss E. M. Allcard ...	5	1	0	195	30·0	31·77	170	133
D Rudgwick (Swaynes) ...	... S. D. Secretan, Esq., J.P. ...	5	0	11	121	26·7	31·21	181	135
D Rusper (The Nunnery) ...	... Sir Cecil J.B. Hurst, G.C.M.G. ...	5	1	6	260	30·8	34·30	184	135

* Moved to Rogate (Terwick Wood) in August.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			above	above	above			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SUSSEX—(contd.).									
3.—ADUR & C. 237 sq. mi.									
D WORTHING (Beach House Pk.)	(+A) Medical Officer of Health ...	8	1	0	25	27·5	26·95	157	114
d Goring-by-Sea (Highdown Tower)	... Col. F. C. Stern ...	5	1	0	100	...	26·77	...	114
D Brighton (Ovingdean)	... L. H. B. Woodhead, Esq. ...	8	1	0	161	...	28·44	189	117
D BRIGHTON (Old Steyne)	... F. N. Green, Esq., C.E. ...	5	1	0	32	28·1	26·24	162	116
d Hove	... Medical Officer of Health ...	5	1	6	27	27·4	24·71	...	108
D Southwick (Watling Road)	... E. C. Smith, Esq. ...	5	1	0	10	...	25·44	143	108
D Hove (Goldstone Crescent)	... Guy Michell, Esq. ...	5	0	8	150	...	31·50	173	124
D Brighton W.W. (Goldstone Bottom)	... F. N. Green, Esq., C.E. ...	8	1	0	142	...	29·11	168	119
D Brighton W.W. (Lewes Road)	... F. N. Green, Esq., C.E. ...	5	3	8	139	29·9	30·37	193	116
D Brighton W.W. (Shoreham)	... F. N. Green, Esq., C.E. ...	8	1	8	9	29·2	31·01	166	129
D Brighton W.W. (Mile Oak)	... F. N. Green, Esq., C.E. ...	8	1	0	166	...	31·31	173	126
D Brighton W.W. (Race Hill Res.)	... F. N. Green, Esq., C.E. ...	8	1	0	456	31·6	33·54	197	131
D §Brighton W.W. (Balsdean Res.)	... F. N. Green, Esq., C.E. ...	5	1	0	399	...	30·93	175	133
D Brighton W.W. (Balsdean P.S.)	... F. N. Green, Esq., C.E. ...	5	1	0	188	...	31·97	178	134
D Brighton W.W. (Falmer)	... F. N. Green, Esq., C.E. ...	8	1	0	200	32·1	33·90	183	125
D Findon (North End)	... Mrs. B. H. Madge ...	5	1	0	211	...	36·95	158	120
D Findon (Steep Lane)	... T. G. Judge, Esq. ...	8	3	0	200	...	35·22	154	120
D Patcham (Brighton W.W.)	... F. N. Green, Esq., C.E. ...	5	1	0	205	31·8	32·24	175	124
D Hassocks (Newtimber Place)	... Countess Buxton ...	5	0	8	100	...	34·16	165	121
D Hassocks (The Croft)	... Miss M. J. Taylor ...	5	1	0	200	35·6	36·87	184	127
D Hassocks (Hurst Wickham Rise)	... A. Wigglesworth, Esq. ...	5	1	1	170	...	34·53	189	130
D Henfield (Townmead)	... Miss H. Dixon Brown ...	5	1	0	100	31·7	30·31	151	112
D Hurstpierpoint (Brundall)	... R. E. Toombs, Esq. ...	5	1	0	140	...	33·07	174	120
D Partridge Green (Lloydt's Croft)	... W. U. P. Morgan, Esq. ...	5	1	2	25	...	28·76	155	120
D West Grinstead (Knepp Castle Gdns.)	... Capt. W. R. Burrell ...	5	3	6	50	...	33·48	184	127
D Horsham (Sedgewick Park)	... Rt. Hon. Lord Rotherwick ...	5	1	0	280	...	30·01	170	117
D Slinfold (Elmhurst Farm)	... Elmhurst Fmg. & Trdg. Co. ...	5	0	10	200	29·7	31·23	170	129
4.—OUSE. 224 sq. mi.									
D Seaford (Newlands)	... Capt. T. Manning, C.B.E. ...	5	1	0	150	28·6	27·92	157	119
D SEAFORD	... Surveyor ...	5	1	0	45	...	27·73	150	121
D Newhaven (Poverty Bottom W.W.)	... F. B. Lumsden, Esq. ...	8	2	6	48	28·8	27·06	157	116
D Lewes W.W. (Kingston)	... J. T. P. Johnston, Esq. ...	8	1	3	11	34·6	34·20	179	132
D Lewes (The Avenue)	... R. Shanks, Esq. ...	5	1	0	130	...	32·54	167	117
D Chailey (Cornwell's Bank)	... Arthur B. Boxall, Esq. ...	5	5	0	160	...	29·59	172	127
d Newick (Pitdown)	... Miss A. M. Pinnoek ...	5	2	8	150	30·2	28·71	141	112
D Uckfield (Lawrence House)	... late C. G. D. Hoare, Esq. ...	5	1	3	125	...	29·96	194	126
d Pitdown (Ringwood)	... Capt. Stanley Pott ...	5	1	3	120	...	26·13	...	...
D Haywards Heath (Abbots Leigh)	... C. Hales, Esq., J.P. ...	5	1	0	250	...	33·12	151	120
D Haywards Heath (Paddock Hall Rd.)	... Chas. Holman, Esq. ...	5	1	0	260	...	33·61	(179)	(129)
d Lindfield (Backwoods Lane)	... A. D. Hickley, Esq. ...	5	1	0	160	...	31·01	...	...
D Horsted Keynes (Holy Well P.S.)	... W. H. Ashmole, Esq. ...	8	1	8	124	31·5	33·12	186	130
D Horsted Keynes (Cinder Hill)	... L. A. Wood, Esq. ...	5	1	0	300	...	33·31	198	134
D Horsted Keynes (Birchgrove)	... Miss Fyfe ...	5	1	0	400	31·4	34·32	207	136
D Balcombe (Lullings)	... Mrs. M. Holland ...	5	1	0	348	34·8	36·01	192	134
D Balcombe (Waterworks)	... W. H. Ashmole, Esq. ...	8	1	0	467	33·9	33·78	182	138
D Balcombe (Highley Manor)	... Mr. B. T. Brooks ...	8	1	6	420	34·2	37·13	206	147
D Worth Priory	... Rev. A. M. Bell ...	5	1	0	480	33·2	(32·99)	(186)	(132)
5.—CUCKMERE & C. 189 sq. mi.									
D EASTBOURNE (Wilmington Square)	... Medical Officer of Health ...	5	1	0	20	30·7	30·98	170	125
D Eastbourne (Summerdown Road)	... A. C. Fraser, Esq. ...	5	1	0	122	...	31·11	166	126
d Eastbourne (Mayfield Place)	... Miss M. A. Ash ...	8	1	0	50	...	30·58	...	...

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SUSSEX—(contd.).									
5.—CUCKMERE & C.—(contd.).									
D Friston (Water Tower) ...	Eastbourne W.W. ...	5	1	0	389	...	30.22	178	130
D Friston ...	Eastbourne W.W. ...	8	1	0	104	30.8	30.60	191	132
D Jevington ...	Eastbourne W.W. ...	8	1	0	274	31.7	33.33	197	135
D Willingdon Sewage Farm ...	Hailsham R.D.C. ...	5	1	0	24	32.3	34.21	176	133
D Pevensey Pumping Station ...	Hailsham R.D.C. ...	5	1	0	12	27.0	30.20	160	128
D Pevensey Bay Pumping Station ...	Hailsham R.D.C. ...	5	1	0	7	27.0	30.08	159	129
D Bexhill (Pebsham Lane) ...	Mrs. C. A. Bishop ...	5	1	0	40	...	29.78	176	131
D BEXHILL (Egerton Park) ...	Bor. Council (H. J. Sargent) ...	8	1	0	12	26.3	30.10	172	128
D HASTINGS (White Rock) ...	Town Clerk ...	5	1	0	149	28.7	27.93	157	129
d St. Leonards (Filsham W.W.) ...	Water Engineer (Hastings) ...	5	1	0	37	27.3	28.11	132	122
D Hailsham (Magham Down) ...	E. M. Bear, Esq. ...	5	1	0	90	28.4	29.80	160	127
D Hellingly (Amberstone) ...	Eastbourne W.W. ...	5	1	2	29	...	30.11	161	118
D Hellingly (Hospital) ...	Medical Superintendent ...	5	0	7	140	...	30.48	171	125
D Hazards Green (Pumping Station) ...	Bexhill W.W. ...	5	1	7	74	26.0	28.68	171	127
D Hastings (Newgate) ...	Water Engineer ...	8	1	0	243	27.5	28.58	164	131
D Hastings (Clive Vale) ...	A. D. Moon, Esq. ...	5	1	0	328	...	32.95	194	134
D Hastings (Halton Reservoir) ...	Water Engineer ...	5	1	0	294	28.6	30.18	155	125
D Battle (Crowhurst Park) ...	Mr. H. Thompsett ...	8	1	0	440	...	33.74	173	139
D Cowbeech (Pumping Station) ...	Bexhill W.W. ...	5	1	7	100	...	29.93	172	125
D Horam (Coxlow) ...	Major E. Harrison ...	5	1	0	260	29.7	30.01	166	129
D Heathfield (Burchford Farm) ...	Mrs. D. Hook ...	5	1	0	358	...	32.60	184	139
D Heathfield (Cross-in-Hand) ...	C. Birnstingl ...	5	1	0	305	...	34.55	195	128
6.—ROTHER. 194 sq. mi.									
D Icklesham ...	Kent River Board ...	8	1	0	140	...	29.98	161	123
D Hastings (Fairlight Reservoir) ...	Water Engineer ...	5	1	0	513	29.3	30.31	165	128
D Battle (Oakhurst Rd.) ...	A. G. Culmer, Esq. ...	5	1	6	275	...	33.42	176	130
D Brede Pumping Station ...	Water Engineer (Hastings) ...	5	1	0	26	28.3	30.90	157	126
D Udimore (The Wick) ...	Major R. P. Mair ...	8	1	0	92	28.9	29.67	153	120
D Rye (Midrips) ...	Kent River Board ...	8	1	0	15	...	23.72	168	118
D Rye (Rother House) ...	Kent River Board ...	5	1	0	12	...	25.79	...	...
d Playden (Scots Float) ...	Kent River Board ...	5	0	10	14	...	28.46	...	124
D Brightling Park ...	T. P. Tew, Esq. ...	5	1	0	545	34.1	38.63	200	141
D Brightling (Bleak House) ...	T. W. C. Terry, Esq. ...	5	1	0	550	...	38.07	199	137
d Robertsbridge (Darvell Hall San.) ...	Medical Superintendent ...	5	3	0	100	29.1	34.61	163	121
D Peasmarsh (Woodside) ...	T. G. J. Binnie ...	5	1	0	100	30.1	31.96	192	139
D Burwash (Bateman's) ...	C. W. Parish, Esq. ...	5	1	0	50	...	37.70	188	134
D Iden (Havencroft) ...	J. N. Baker, Esq. ...	5	0	10	134	...	30.21	195	120
D Rye (Iden) ...	Admiral Sir Aubrey Smith ...	5	1	0	150	...	25.54	163	125
D Hawkhurst (BODIAM) ...	A. Guinness Sons & Co., Ltd. ...	5	1	0	71	...	34.63	176	131
D Northiam (Great Dixter) ...	Mrs. Lloyd ...	5	1	0	209	29.5	30.58	172	130
D Burwash (Crowhurst Bridge) ...	Heathfield Dist. Water Co. ...	5	0	11	97	...	32.14	174	133
D Mayfield (Cranesden) ...	Sir Frederick Godber ...	5	1	0	345	...	33.83	180	127
D Ticehurst (Stonegate) ...	W. J. Wheeler, Esq. ...	5	1	0	230	32.6	34.54	197	132
7.—MEDWAY. 117 sq. mi.									
D Rotherfield (Horsegrove Farm) ...	F. W. Shaw, Esq. ...	5	1	0	528	35.3	35.15	187	141
D Crowborough (Jarvis Brook) ...	Crowborough Water Co. ...	5	1	0	325	35.0	36.57	199	142
D Jarvis Brook (Salters) ...	Gp. Capt. J. Hunnard ...	5	1	6	400	...	33.54	197	134
D Crowborough (Harecomb) ...	J. Robertson, Esq. ...	5	1	0	680	34.8	34.43	204	145
d Crowborough (The Beacon) ...	A. R. Allcroft, Esq. ...	5	1	0	796	36.7	38.24	...	158
D Tunbridge Wells (Cousley Wood) ...	A. Wilkin, Esq. ...	5	1	0	415	...	31.76	207	156
D Hartfield (Beechcroft) ...	Miss E. A. Foyster ...	5	1	0	370	34.5	35.64	223	134
D West Hoathley (Duckyls) ...	Mrs. Craven Moore ...	5	1	0	600	...	34.75	181	144

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge				Average Rain- fall	1950			
				Diam.	Height of		ft.		in.	Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
				in.	ft.	in.		ft.					in.	in.
SUSSEX—(contd.).												
7.—MEDWAY—(contd.).												
d	Forest Row (Park Road)	...	J. R. Coulthard, Esq.	...	5	3	0	300	...	35·85	143	120
d	East Grinstead (Standen)	...	Miss H. M. Beale	...	5	0	7	450	...	34·95	...	129
d	Frant (Henley Gardens)	...	Colonel Benskin	...	5	1	0	440	32·2	35·38	179	130
d	Frant (Eridge Castle)	...	Mr. G. A. Funnell	...	5	1	0	400	34·3	34·94	...	120
d	Crawley Down (Grange Hill)	...	Miss L. T. A. Buckley	...	5	0	10	450	32·7	36·82	212	139
8.—THAMES. Mole. 27 sq. mi.												
d	Worth (Worth Lodge)	...	Miss M. C. Nix	...	5	1	0	340	31·6	34·64	201	148
d	Horley (Worth Park Nurseries)	...	F. M. Gurteen, Esq.	...	5	1	0	192	...	32·14	184	132
d	Crawley (The Beeches)	...	M. Longley, Esq.	...	8	1	0	220	31·2	35·06	182	133
9.—THAMES. Wey. 10 sq. mi.												
HAMPSHIRE. (Area 1,627 sq. mi.)												
1.—ISLE OF WIGHT. 150 sq. mi.												
d	ST. CATHERINE'S POINT (C.G.Stn.)	...	Station Officer (MO)	...	8	0	8	150	27·8	30·84	168	133
d	Ventnor (St. Lawrence)	...	Fraser Parkes, Esq....	...	5	0	9	100	...	33·16	179	135
d	VENTNOR (HOSPITAL)	...	Medical Superintendent	...	5	1	0	60	28·9	32·92	178	137
d	Ventnor (SteePhill Cove)	...	C. W. Lale, Esq.	...	5	1	0	8	...	31·87	188	137
d	VENTNOR (Park)	...	Surveyor	...	5	1	0	445	29·5	32·77	181	142
d	SHANKLIN	...	Sandown & Shanklin U.D.C.	...	5	1	0	180	...	37·48	183	142
d	Brighstone (Pitt Place)	...	Jan de Hartog, Esq.	...	5	1	8	200	27·7	31·79	166	133
d	SANDOWN (Sandham Gardens)	...	Sandown & Shanklin U.D.C.	...	5	1	0	13	30·9	34·37	169	133
d	Sandown (Adgestone)	...	R. H. Adams, Esq., C.E.	...	5	1	0	9	...	35·70	178	137
d	Freshwater (Pumping Station)	...	Engineer in Charge	...	8	1	3	5	28·8	32·17	158	134
d	FRESHWATER (West Wight School)	...	The Headmaster	...	8	1	0	40	...	31·53	183	130
d	NEWPORT (Recreation Ground)	...	Borough Engineer	...	5	1	0	60	32·9	33·41	171	126
d	Binstead (The Quarry)	...	F. H. Crimp, Esq.	...	5	2	0	60	...	32·44	168	133
d	RYDE (Esplanade Gardens)	...	Borough Publicity Dept.	...	5	1	0	13	29·0	31·40	168	123
d	Ryde (Wooton County School)	...	A. J. Blundell, Esq.	...	5	1	0	20	...	36·24	166	127
d	§Cowes W.W. (Broadfields)	...	Engineer & Surveyor	...	5	1	0	161	29·8	33·53	162	137
d	Osborne	...	House Governor	...	5	1	0	177	32·7	39·29	181	142
2.—STOUR. 37 sq. mi.												
d	BOURNEMOUTH (Vale View)	...	(+A) Corporation	...	5	1	0	139	31·5	31·67	155	118
d	Bournemouth (Rothesay Road)	...	Dr. D. N. Seth-Smith	...	5	0	8	180	...	33·56	170	124
d	Bournemouth (East Avenue)	...	J. E. Hewitt, Esq.	...	5	1	0	143	28·6	32·96	154	128
d	Ringwood (Athol Lodge)	...	Mrs. C. M. Robinson	...	5	1	0	60	29·0	37·26	209	134
3.—EAST AVON & C. 114 sq. mi.												
d	Christchurch (Harrow Lodge)	...	R. C. Bacon, Esq.	...	8	1	0	135	31·3	34·63	182	126
d	Ringwood (Avon Tyrrell)	...	Forestry Commission	...	5	1	0	230	...	33·00	...	...
d	Ringwood (Bisterne)	...	Major J. D. Mills	...	8	1	2	45	30·9	35·60	150	126
d	Ringwood (Crow Hill Top)	...	Mrs. H. F. Rawstorne	...	5	1	0	250	30·2	34·41	185	125
d	Ringwood (Hangersley)	...	Col. E. G. St. Aubyn, D.S.O.	...	5	0	9	200	...	33·67	175	131
d	RINGWOOD (Hightown)	...	Miss M. A. M. Penrose, B.Sc.	...	8	1	0	250	...	36·54	195	129
d	Ringwood (Grey Friars)	...	Miss H. Christy	...	5	1	0	50	28·4	34·13	170	119
d	Ringwood (Linwood)	...	Miss R. M. Haines	...	5	0	9	138	32·0	36·90	188	127
d	Fordingbridge (Dockens)	...	E. W. Poore, Esq.	...	8	1	0	140	31·1	33·40	141	112
d	Fordingbridge (Furze Hill)	...	G. G. Smith, Esq.	...	5	0	5	150	...	34·21	172	129
d	Milford-on-Sea (Farlights)	...	Mrs. F. W. Brown	...	5	1	0	50	...	32·63	163	128
d	Lymington (Stanley Road)	...	E. A. Robins, Esq.	...	5	1	0	5	...	33·42	152	124

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
HAMPSHIRE—(contd.).									
4.—TEST & SOLENT. 551 sq. mi.									
D New Milton (Ashley County School)	Headmaster ...	5	0	8	110	30·7	33·90	146	126
d Sway (Gordleton)	W. F. Wright, Esq. ...	5	1	6	102	29·7	33·53	...	...
D Lymington	Borough Engineer ...	5	1	0	57	...	33·23	141	125
D Exbury	L. N. de Rothschild, Esq. ...	5	1	0	80	29·2	34·74	156	130
D Brockenhurst (County School)	Headmaster ...	5	1	0	43	...	33·29	141	116
D CALSHOT...	(+A) Meteorological Office ...	8	1	0	8	...	29·89	163	123
D Burley (Sandys)	G. Mason, Esq. ...	5	1	0	150	31·8	35·66	147	126
D Burley Nursery	Forestry Commission ...	5	1	0	120	...	36·84	172	125
d Lyndhurst (Deerleap Nursery)	Forestry Commission ...	5	1	2	85	...	36·14	...	...
D Bartley (The Nurseries)	C. G. Haysom, Esq. ...	5	1	0	100	32·0	38·89	145	129
D SOUTHAMPTON (East Park)	Director, Ordnance Survey	5	1	0	64	30·9	32·68	170	130
D Southampton (Regents Park)	D. J. P. Kendall, Esq. ...	5	1	0	60	...	33·61	164	124
D Southampton (South Hill Reservoir)	J. Hawksley, Esq., O.B.E. ...	5	1	0	200	30·8	30·76	149	121
D Romsey (Embley Gardens)	A. White, Esq. ...	5	1	0	130	30·3	35·09	162	127
D Romsey (Timsbury P.S.)	J. Hawksley, Esq., O.B.E. ...	5	1	0	99	29·8	32·71	151	120
D Hursley (Merdon Manor)	Sir George Cooper, Bart. ...	5	1	0	360	...	37·64	172	137
D Sparsholt (Garstons)	Mrs. Simpson ...	5	1	3	350	...	38·28	155	131
D Stockbridge (Houghton Lodge)	Col. R. C. O. Parker, O.B.E., T.D.	5	1	0	112	30·5	33·32	167	131
D Crawley (Chilbolton Down)	G. W. S. Beale, Esq. ...	8	1	2	350	31·0	37·95	171	133
D Stockbridge (LECKFORD Estate)	General Manager ...	5	1	0	385	...	36·29	164	136
D Sutton Scotney (Wonston Manor)	J. H. Gray, Esq. ...	5	1	0	233	...	34·65	178	135
D Andover (Sewage Works)	Borough Surveyor ...	8	1	0	180	28·9	32·79	191	139
D Andover (Waterworks)	Borough Surveyor ...	8	1	0	205	...	31·60	166	131
d Whitchurch (Laverstoke Mills)	Dr. J. Knaggs, A.R.C.S., F.I.C.	8	1	10	250	...	34·39	207	140
D St. Mary Bourne (Bournside)	Mrs. H. F. M. Boys ...	5	1	1	300	29·4	34·55	179	134
D Worting (Manydown Park)	Col. A. S. Bates, D.S.O. ...	5	1	0	415	30·2	35·10	177	130
D Whitchurch (Dunley Manor)	Sir Alfred Herbert ...	5	1	0	500	30·8	35·43	166	144
D Linkenholt Manor	R. Dudley, Esq. ...	5	1	0	700	32·5	39·84	162	133
5.—ITCHEN & SPITHEAD. 422 sq. mi.									
D South Hayling (Loridge)	D. S. Bird, Esq. ...	5	0	10	10	...	29·46	150	121
D Gosport	Borough Surveyor ...	8	0	9	30	28·8	30·05	169	132
d PORTSMOUTH (Southsea Common)	Medical Officer of Health ...	5	1	0	7	27·7	26·98	155	113
D Farlington (Pumping Station)	Portsmouth Water Co. ...	5	1	0	78	28·5	29·80	162	121
D Farlington (Reservoirs)	Portsmouth Water Co. ...	5	1	0	117	...	30·41	162	125
D Farlington (Filter Works)	Portsmouth Water Co. ...	5	1	0	157	27·9	29·04	159	118
D Havant (Portsmouth W.W.)	Portsmouth Water Co. ...	5	1	0	25	27·2	30·26	158	116
D Fareham (West Street)	N. E. Neville, Esq. ...	5	1	0	41	...	31·96	164	128
D Fareham (Maindell W.W.)	Engineer & Surveyor ...	8	1	6	36	...	33·33	199	133
D Southwick (Pinsley Lodge)	Portsmouth Water Co. ...	5	1	0	150	29·6	32·56	...	...
d Woolston Depot	Engineer and Surveyor ...	5	5	8	13	30·0	32·00	...	124
D Idsworth (Water Tower)	Portsmouth Water Co. ...	5	1	0	202	31·0	36·52	...	...
D Idsworth Quarry	Agricultural Contractors Ltd	5	0	9	320	...	35·03	172	125
D Southwick (Upper Beckford Farm)	Portsmouth Water Co. ...	5	1	0	112	30·8	35·73	...	...
D Southampton (Portswood)	Borough Engineer ...	5	1	10	10	29·7	34·69	182	135
D Botley (Horticultural Exper. Stn.)	W. F. Cheal, Esq. ...	5	0	8	70	...	33·11	156	123
D Botley (Uplands Farm)	Wilmot H. Yates, Esq. ...	5	1	0	60	31·5	35·95	...	...
D Curdridge (Sunnyside)	W. S. J. Cooke, Esq. ...	5	0	9	95	30·7	35·53	193	134
D Catherington Reservoir	Portsmouth Water Co. ...	5	1	0	428	34·2	37·43	...	...
D Swanmore (Holywell House)	Mrs. M. Portal ...	5	1	6	180	32·2	35·42	175	141
D Hambledon (Whitedale)	Portsmouth Water Co. ...	5	1	0	223	34·0	34·48	...	...
D Soberton (Mislingford)	Gosport W.W. Co. ...	5	1	0	136	31·7	35·18	163	131
D West End (Oaklands)	Mrs. Pearson ...	5	1	6	45	30·9	34·59	153	124
D Droxford (Upper Swanmore)	H. Gadsby, Esq. ...	5	1	0	312	...	37·01	169	134
D Bishops Waltham (Wintershill Hall)	Mr. E. A. Roberts	1	0	300	...	35·31	178	130

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

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		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
HAMPSHIRE—(contd.).									
5.—ITCHEN & SPITHEAD—(contd.).									
D Petersfield (Ditcham Park) ...	Portsmouth Water Co. ...	5	1	0	555	...	43·51	163	140
D Otterbourne (Kingfisher Lodge) ...	Major T. T. Phelps ...	5	0	10	80	...	35·43	163	127
D Otterbourne W.W. ...	J. Hawksley, Esq., O.B.E. ...	5	1	0	113	30·7	34·15	206	135
D Twyford (Pumping Station) ...	J. Hawksley, Esq., O.B.E. ...	5	1	0	139	31·1	36·12	173	133
D Twyford (Stonelea) ...	Capt. G. Jenson ...	5	0	8	120	...	32·24	154	126
D Winchester (Recreation Ground) ...	Medical Officer of Health ...	5	1	0	121	...	36·79	148	129
D Winchester (Birweeke Rd.) ...	J. L. St. John ...	5	1	0	225	...	37·74	197	140
D Winchester (Christ Church Road) ...	F. E. Box, Esq. ...	8	1	0	180	...	37·02	184	132
D Winchester (Beaconsfield House) ...	F. B. Heathcote Wride, Esq. ...	8	1	0	228	...	38·69	222	135
D Ovington Rectory ...	Rev. H. L. Atkins ...	5	1	0	221	33·2	39·80	175	138
D Bishop's Sutton ...	H. C. Mills, Esq. ...	5	1	0	260	...	36·16	166	140
D Itchen Abbas (Chilland) ...	W. J. Arnold, Esq. ...	5	1	6	200	30·5	36·67	188	146
D Itchen Abbas (The Down House) ...	Mrs. R. V. Saville ...	8	1	0	200	...	33·07	162	131
D Ellisfield Manor ...	H. Hoare, Esq. ...	5	1	0	635	...	37·99	181	141
D Alresford (Lower Lanham) ...	C. H. Hayton, Esq. ...	5	1	0	400	...	39·32	200	141
6.—ARUN. 82 sq. mi.									
d Liss (Kippences) ...	Rev. W. L. de B. Thorold ...	5	0	9	250	33·3	40·09	141	129
D Liss (Hawkley Hurst) ...	T. Clive Davies, Esq. ...	5	0	11	422	37·7	40·60	204	143
7.—THAMES. Wey. 92 sq. mi.									
D Petersfield (Stoner Hill) ... (+A)	late C. J. P. Cave, Esq., J.P. ...	5	1	0	748	38·1	42·11	185	142
D East Tisted (Rotherfield Park) ...	Col. J. B. Scott ...	5	1	0	555	37·1	41·56	215	143
D Selborne (The Wakes) ...	Mrs. Bibby ...	5	1	0	400	35·3	42·24	187	142
D Alton (Treloar Orthopaedic Hospital) ...	Secretary ...	5	1	6	350	...	38·17	194	144
D Kingsley (Sleaford) ...	M. Nimmo, Esq. ...	5	1	0	220	...	33·37	181	132
D Alton (Waterworks) ...	Engineer and Surveyor ...	5	1	0	455	...	35·82	192	148
d ALICE HOLT LODGE ...	Forest Research Station ...	5	1	0	378	...	32·01	164	126
Bentley (The Welches) ...	J. H. Massey ...	5	1	0	300	...	31·59	...	...
8.—THAMES. Loddon. 164 sq. mi.									
w Swainshill ...	Mid-Wessex Water Co. ...	5	1	7	550	...	35·44	...	...
D LONG SUTTON ...	Lord Wandsworth College ...	5	1	0	479	...	34·38	161	135
D Basingstoke (Upton Grey House) ...	Mr. H. W. Kinge ...	5	1	0	400	27·7	33·03	169	141
D Aldershot Waterworks ...	Mid-Wessex Water Co. ...	5	1	0	251	27·0	33·78	178	137
D Aldershot Reservoirs ...	Mid-Wessex Water Co. ...	5	1	0	393	27·2	32·45	181	135
D Aldershot Gas Works ...	B. S. G. Morley, Esq. ...	5	1	0	230	...	32·53	167	138
D Odiham (Mill House) ...	W. M. Dean, Esq. ...	5	1	0	241	26·0	32·31	167	130
d Odiham (Sewage Works) ...	Hartley Wintney R.D.C. ...	5	0	10	240	26·5	30·96	...	...
D Greywell Pumping Station ...	Mid-Wessex Water Co. ...	5	1	0	263	26·3	32·31	186	138
d Basingstoke (Chequers Road) ...	N. R. Grover, Esq. ...	5	0	10	270	...	30·98	...	...
D Hook (Nately Hatch) ...	R. C. Mallock, Esq. ...	5	1	0	328	26·7	33·91	180	139
D Fleet (King's Road) ...	A. C. Allen, Esq. ...	8	1	0	230	...	33·13	169	139
d Fleet (Quilllets) ...	S. H. Langton, Esq. ...	5	1	0	300	25·4	29·87	...	...
D Sherborne St. John ...	A. G. Willis, Esq. ...	5	2	2	260	29·0	30·49	165	132
d Hartley Wintney (Warren Heath) ...	Hartley Wintney R.D.C. ...	5	1	0	226	25·8	28·44	...	...
D Hartley Wintney (S.D. Works) ...	Hartley Wintney R.D.C. ...	5	1	0	180	...	30·74	162	129
D SOUTH FARNBOROUGH (R.A.E.) (+A)	Meteorological Office ...	8	1	0	226	26·1	29·59	172	118
D Winchfield (Elvetham Park) ...	Mr. T. J. Brownjohn ...	8	1	0	217	26·8	30·75	176	124
D BRAMLEY (Ordnance Depot) ...	Deputy Commander, R.E. ...	5	1	0	196	...	29·51	168	133
D Heckfield (Park Corner) ...	Mr. W. Smith ...	5	1	2	257	24·6	30·38	197	143
9.—THAMES. Kennet. 65 sq. mi.									
D Kingsclere (Isle Hill) ...	C. E. Harvard, Esq. ...	5	1	6	500	...	37·39	196	141
D Highclere (Quarry Wood) ...	Miss E. K. Field ...	5	1	7	400	...	33·85	179	129
D Highclere (Horris Hill) ...	T. H. F. Morton, Esq. ...	5	1	0	390	...	34·62	196	132
D Kingsclere (N. Sydmonton House) ...	Lt.-Col. Kingsmill, D.S.O. ...	5	1	2	350	...	32·41	164	124
D Silchester House ...	T. M. Hartley, Esq. ...	5	1	0	305	25·0	28·47	163	130

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
BERKSHIRE. (Area, 722 sq. mi.)									
1.—TEST. 2 sq. mi.									
2.—THAMES. Bourne. 15 sq. mi.									
d Sunninghill (Blacknest P.S.) ...	Surveyor, Windsor R.D.C.	8	1	0	130	26.0	31.09	171	129
d Sunninghill (Titmess Farm) ...	Lt.-Col. J. N. Horlick, M.C.	5	0	9	220	27.0	31.04	171	131
3.—THAMES. Loddon & c. 162 sq. mi.									
d Beech Hill (Waveney) ...	Miss D. Page-Roberts	5	1	0	220	...	26.95	171	125
d Broadmoor Institution ...	Medical Superintendent	5	1	0	300	27.6	28.98	...	130
d Wokingham (Bucks Copse) ...	Borough Surveyor	5	1	0	174	24.7	27.15	162	123
d Wokingham (Bear Wood Gardens) ...	Head Gardener	8	1	0	200	...	29.17	...	...
d Wokingham (Sindleshams House) ...	Mr. W. Balcombe	5	4	0	200	25.4	28.96	170	129
d Wokingham, (Reading Road) ...	P. Chandler, Esq.	5	1	0	182	...	28.67	172	122
d Wokingham (Winnersh Nursey) ...	J. T. Adams, Esq.	5	1	0	180	...	28.44	165	130
d Winkfield (Maidens Green) ...	R. Crosbie-Hill, Esq.	5	1	0	210	26.0	28.98	178	130
d Warfield (Jealott's Hill) ...	Imperial Chem. Industries	5	1	0	220	25.8	29.22	178	129
d READING (SEED TRIAL GROUNDS) ...	Martin A. F. Sutton, Esq.	5	1	0	141	...	26.29	158	120
d Windsor (Forest Park Gardens) ...	A. G. W. Briars, Esq.	5	0	10	150	...	30.54	171	137
d Sonning (University Farm) ...	S. Fox, Esq.	5	1	0	170	...	28.79	190	128
d Twyford (Beenham's Heath) ...	Mid-Wessex Water Co.	5	1	0	136	...	28.82	152	129
d Windsor (Bolton Road) ...	B. B. Summers, Esq.	5	1	0	80	...	28.40	165	128
d Windsor (Bourne Gardens) ...	Mr. G. Simpson	5	1	1	88	24.9	28.69	175	132
d Twyford (Hare Hatch) ...	J. Waterer, Sons & Crisp, Ltd.	5	1	0	180	...	30.27	177	141
d Wargrave (Piggott School) ...	Clement C. Bush, Esq.	5	1	0	150	...	26.52	140	114
d Maidenhead (Shopperhangers Rd.) ...	G. Stow, Esq.	5	1	6	180	...	27.79	165	126
d Maidenhead (Sewage Wks.) ... (+A)	Borough Engineer	5	1	0	81	...	27.36	170	122
d Pinkney's Green ...	R. P. Lord, Esq.	5	1	0	240	26.7	29.60	...	...
d Maidenhead (Boulter's Lock) ...	Thames Conservancy	5	1	6	82	...	27.70	185	131
d Hambleton Lock ...	Mr. T. E. Wise	5	2	0	105	27.0	30.64	199	133
4.—THAMES. Kennet & c. 224 sq. mi.									
d Hurley (Hall Place Farm) ...	Min. of Agr. & Fish.	...	...	...	...	...	29.39	179	135
d Inkpen (New Mill) ...	G. C. Goodhart, Esq.	5	1	5	485	32.5	37.56	187	140
d Newbury (Greenham Common) ...	A. A. Lawrence, Esq.	5	1	5	500	...	34.00	160	125
d Mortimer (Grazeley Green) ...	P. L. D'E. Skipwith, Esq.	5	1	0	200	26.1	28.97	157	125
d Brimpton (Stonehouse) ...	F. L. Hadden, Esq.	5	1	0	350	27.5	32.57	139	127
d Hungerford Park ...	Mrs. A. G. Turner	5	0	10	400	...	33.40	166	141
d Newbury (Gloucester Road) ...	L. Giles, Esq.	5	2	0	250	...	33.91	169	140
d SHINFIELD (University Hort. Farm) ...	Prof. R. H. Stoughton, D.Sc.	5	1	0	200	...	28.71	180	127
d WOOLHAMPTON (Douai Abbey) ...	The Abbot	5	1	0	370	...	30.30	170	125
d Aldermaston (Beenham Hill) ...	H. Langford Lewis, Esq.	5	1	0	250	...	29.03	158	127
d Bucklebury Place ...	P. C. Bicknell, Esq.	5	1	0	409	...	30.32	181	127
d Reading W.W. (Bath Road) ...	O. Kean, Esq., C.E.	5	1	0	217	24.4	28.36	175	123
d Reading (Forbury Gardens) ...	K. H. Thorpe, Esq.	5	1	8	143	24.9	28.23	174	129
d READING (University) ...	Prof. A. Austin-Miller	5	1	0	152	...	28.54	173	127
d Reading (Caversham Lock) ...	Thames Conservancy	5	1	0	123	...	27.29	165	128
d Caversham (St. Peter's Hill) ...	J. A. Sargent, Esq.	5	1	6	160	25.0	26.45	154	124
d Chieveley (Priors Court) ...	Mr. S. F. Tuffley	5	1	0	403	...	32.08	183	130
d Peasemore House ...	Mrs. E. Brown	5	1	6	400	...	29.89	158	125
5.—THAMES. Ock & c. 319 sq. mi.									
d Stanford Dingley (Dingley Hill) ...	C. O. Lowsley, Esq.	5	1	3	400	...	30.96	174	137
d Reading (Englefield) ...	H. A. Benyon, Esq.	5	1	0	175	27.4	29.12	172	131
d Bradfield Pumping Station ...	Mid-Wessex Water Co.	5	1	0	174	...	28.43	154	129
d Yattendon (Yattendon Court) ...	J. F. N. Grange	8	2	4	360	...	30.63	146	120
d Moulsoford (The Old Vicarage) ...	Miss. B. J. Abbott	8	1	3	170	...	32.84	158	121
d Wantage (Lockinge Estate Office) ...	Capt. J. H. Lane Fox	5	1	1	400	27.8	32.55	143	128
d Cholsey (School House) ...	W. D. Campbell, Esq.	5	0	10	150	...	31.72	177	123
d Wallingford (Winterbrook) ...	Frank K. Weedon, Esq.	5	1	0	151	24.9	29.17	146	120
d Wallingford (Wantage Road) ...	A. Tame, Esq.	5	1	0	184	...	25.02	152	105

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950			
		Diam.	Height of		Ground above Sea Level		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more	
		in.	ft.	in.		ft.				in.
BERKSHIRE—(contd.).										
5.—THAMES. Ock & c.—(contd.).										
D	Wallingford (Style Acre)	A. L. Morpew, Esq. ...	5	1	4	200	25.2	27.95	171	121
D	Didcot (Sewage Works)	Wallingford R.D.C. ...	5	0	9	170	...	27.29	194	121
D	Faringdon (Shellingford House) ...	Mrs. K. Marshall ...	5	...	...	275	...	27.36	166	119
D	Abingdon (Sewage Works)	Borough Surveyor ...	8	1	0	170	22.8	24.98	181	112
D	Abingdon (The Firs)	Miss M. R. Challenor ...	5	1	3	180	23.7	26.38	164	115
D	Abingdon (Christ's Hospital) ...	W. T. Morland, Esq. ...	5	1	0	190	...	27.28	174	126
D	Abingdon (Frilford Heath)	R. A. Langford, Esq. ...	5	1	0	240	...	26.91	167	124
D	ABINGDON Airfield	(+A) Meteorological Office ...	5	1	0	210	...	26.33	170	116
D	Abingdon (Sandford Lane, S.W.) ...	D. Madley, Esq. ...	8	1	5	220	...	27.11	164	124
D	Boars Hill (Blackthorn)	A. C. Pilkington, Esq. ...	5	1	0	410	25.6	29.91	189	134
D	Oxford (Kennington Nursery) ...	Forestry Commission ...	5	1	0	350	24.7	27.61	183	125
D	Eynsham (Swinford P.S.)	H. H. Crawley, Esq., C.E....	5	1	0	203	...	28.82	184	132

DIVISION III—SOUTH MIDLAND COUNTIES

MIDDLESEX. (Area 232 sq. mi.)

1.—THAMES. Colne & Brent. 185 sq. mi.

D Weybridge (Shepperton Lock) ...	Thames Conservancy ...	5	1	0	41	23.1	27.61	175	132
D Sunbury (Thames St.) *	Mrs. R. I. Wolferston ...	5	1	0	30	...	28.51	160	124
D Littleton (Queen Mary Res.) ...	Met. Water Board ...	5	1	0	44	23.0	26.65	165	133
D HAMPTON Waterworks ...	Met. Water Board ...	5	1	0	45	22.7	26.59	172	131
D Kempton Waterworks ...	Met. Water Board ...	5	1	0	40	22.6	25.69	157	129
D Hampton (Refuse Disp. Works) ...	L. G. Hamlin, Esq. ...	5	1	1	60	...	26.70	173	124
D Staines (Pumping Station) ...	Met. Water Board ...	5	1	0	55	...	26.73	158	127
D Staines Reservoir (West Side) ...	Met. Water Board ...	5	1	0	53	23.8	26.43	156	131
D Isleworth (Mogden Wks.) ...	(+A) C. B. Townend, Esq., C.E. ...	5	1	0	33	...	25.69	172	123
D Longford (Perry Oaks Disp. Wks.) ...	C. B. Townend, Esq., C.E. ...	5	1	0	77	...	26.16	163	129
D Hounslow (Pawndall Gardens) ...	P. W. Miller, Esq. ...	5	1	6	70	...	26.18	174	129
D Hounslow (Berkeley Avenue) ...	J. E. Cacutt, Esq. ...	5	1	0	80	...	25.04	174	122
D FELTHAM (LONDON AIRPORT) ...	(+A) Meteorological Office ...	5	1	0	80	...	25.21	167	130
D Sipson (Hollycroft) ...	R. R. Robbins, Esq. ...	5	1	0	94	22.5	28.49	179	133
D Kew Bridge (Waterworks) ...	Met. Water Board ...	5	1	0	36	24.1	27.25	154	117
D Hanwell ...	(+A) Middlesex County Council ...	5	1	9	36	24.5	26.12	165	130
D Acton Pumping Station ...	Borough Engineer ...	5	1	0	22	...	23.23	158	118
D Hayes ...	H. J. Harley, Esq. ...	8	1	0	...	...	27.42	170	131
D Ealing (Hanger Hill Reservoir) ...	Met. Water Board ...	5	1	0	206	24.7	26.48	175	125
D Willesden Reservoir ...	Met. Water Board ...	5	1	0	167	25.6	28.04	186	126
D Willesden (Stonebridge Pk.) ...	Borough Engineer ...	5	5	9	100	...	28.12	170	138
D NORTHOLT Airport ...	Meteorological Office ...	5	1	0	131	...	26.11	168	129
d Greenford (Whitton Drive) ...	R. M. Eadie, Esq. ...	5	1	0	152	...	28.16	...	...
D Wembley (Town Hall) ...	Borough Engineer ...	5	1	0	187	...	23.76	712	128
D Harrow (Oakhurst) ...	A. Gardner, Esq. ...	5	1	3	295	24.2	27.30	172	135
D Harrow (Eastcote Lane) ...	D. M. Woodman, Esq. ...	5	1	4	175	...	25.78	171	130
D Brent Reservoir ...	Docks & Inland Waterways ...	5	1	3	138	...	25.35	178	129
D Rayners Lane (High Worpel) ...	R. H. Daw, Esq. ...	5	1	0	153	...	26.35	185	128
D Harrow (Headstone Road) ...	S. Hyla Greves, Esq. ...	5	1	0	208	...	29.18	196	141
D Hendon (Council Depot) ...	A. O. Knight, Esq., C.E. ...	8	1	0	157	...	25.79	172	130
D Finchley (Church End) ...	Sister Marie Jacques ...	5	0	8	296	...	26.56	180	124
D Ruislip Reservoir ...	Docks & Inland Waterways ...	5	1	3	170	...	29.93	203	141
D PINNER (Hillcrest Avenue) ...	P. R. Hands, Esq. ...	5	1	0	200	...	27.90	177	129
D WEALDSTONE (Kodak Works) ...	S. Hyla Greves, Esq. ...	5	1	0	175	25.3	28.46	191	138
D Northwood (Briarwood Drive) ...	C. C. Legge, Esq. ...	5	1	6	150	...	26.73	159	127
D Northwood (Ravenswood) ...	M. T. Allen, Esq. ...	5	2	0	365	...	29.22	180	140
d Edgware M.C.C. Depot ...	(+A) Middlesex County Council ...	5	0	9	179	25.8	26.32	173	137

* Formerly at Sunbury (Riverdale).

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	n.	in.		
MIDDLESEX—(contd.).									
1.—THAMES. Colne & Brent—(contd.).									
D Stanmore (+A)	Harrow U.D.C.	5	0	7	281	...	28·38	170	131
D Edgware (Franklyn Gardens)	A. R. Bill, Esq.	5	1	0	250	...	27·32	174	131
D Mill Hill (Barnet Way)	Major N. G. Brett-James	5	0	10	450	...	26·63	155	121
d Barnet (Old Fold View)	Capt. C. E. Mills	5	1	0	350	...	29·26	...	...
D Potters Bar (Sewage Disp. Wks.)	Engineer and Surveyor	5	1	0	260	...	27·29	163	126
2.—THAMES. Lea. 47 sq. mi.									
D Crouch End (Priory Park)	J. H. M. Richards, Esq., C.E.	5	1	0	118	25·8	26·05	177	138
D Hornsey (High Street)	Met. Water Board	5	1	0	107	24·9	25·61	176	136
D Harringay (Wightman Rd.)	J. H. M. Richards, Esq., C.E.	5	1	0	90	...	25·49	170	136
D Muswell Hill (Council Nurseries)	J. H. M. Richards, Esq., C.E.	5	1	0	209	26·1	27·69	180	141
D Wood Green (Maryland Road)	F. C. Hornsey, Esq.	8	1	0	110	...	29·14	184	145
D Finchley (Avenue House) *	P. M. Spencer, Esq. C.E.	5	0	11	300	26·3	28·25	153	128
D Palmers Green (Broomfield Pk.) (+A)	J. T. W. Peat, Esq.	8	1	6	136	24·7	(27·15)	(159)	(128)
D Enfield (Sewage Works)	Engineer & Surveyor	5	1	3	43	...	25·24	175	128
D SOUTHGATE (Oakwood Park) (+A)	Borough Engineer	5	1	0	220	...	27·15	174	133
D Ponders End Pumping Station	Met. Water Board	5	1	0	45	23·3	23·97	166	132
D Enfield (Southbury Road)	Met. Water Board	5	1	0	148	24·7	25·75	177	127
D Cockfosters (Norrays Road)	H. E. Messenger, Esq.	5	1	0	254	...	27·91	187	131
D Enfield (Forty Hill)	G. H. Pearce, Esq. F.R.C.S.	5	0	11	125	...	25·75	184	137
D Enfield (Whitewebbs Park)	Engineer & Surveyor	5	1	2	120	...	24·54	152	120
D Waltham Cross (Sewage Works)	Cheshunt U.D.C.	5	1	0	61	22·6	24·40	162	124
HERTFORDSHIRE. (Area 635 sq. mi.)									
1.—THAMES. Thame. 10 sq. mi.									
D Tring (Pendley Manor)	D. Williams, Esq.	5	1	0	420	28·4	35·71	176	140
2.—THAMES. Colne & Brent. 199 sq. mi.									
D Northwood (St. Mary's Avenue)	R. H. Daw, Esq.	5	1	0	231	...	30·06	195	138
D Batchworth Heath (Bathend)	H. H. Annetts, Esq.	5	1	0	364	...	30·56	190	150
d Bushey Heath (California Lane)	Miss C. C. Cooper	5	1	0	550	26·0	27·72	...	...
D Bushey Heath Reservoir	Colne Valley Water Co.	5	1	3	520	...	27·32	170	124
w Totteridge (West Lodge)	P. D. Walker, Esq.	5	1	4	410	26·9	27·91	...	...
D Totteridge (Gt. Bushey Drive)	J. Monger, Esq.	5	0	11	250	...	28·31	199	133
D Batchworth (Pumping Stn.)	L. F. Hobbs, Esq., C.E.	5	1	2	156	...	30·82	181	131
D Watford (Pinner Road)	M. H. K. Irwin, Esq.	5	1	0	290	...	29·95	159	136
D Croxley Green (Hill Cottage)	B. P. Waller, Esq.	5	1	0	240	...	31·21	178	134
D Chorley Wood (Berry Lane)	M. B. King, Esq.	5	1	0	230	...	31·48	181	130
D Barnet (Sewage Works) (+A)	E. Scott, Esq., C.E.	5	1	0	295	...	27·33	180	125
D Boreham Wood (Furzehill Road)	H. T. Court, Esq.	5	1	0	302	...	28·57	176	126
w Elstree (Aldenhams Res.)	Colne Valley Water Co.	5	1	0	330	...	27·60	...	...
D Watford (Aldenhams Road)	Colne Valley Water Co.	5	4	6	204	25·6	27·34	166	127
D Watford (Waterworks)	L. C. Kimberlin, Esq., C.E.	8	2	10	170	25·9	29·67	179	140
D Heronsgate (Waterfield House)	Miss J. M. Richardson	5	1	0	390	...	34·24	172	139
d Sarratt (Micklefield Green)	Cdr. H. D. Barlow, R.N. (Retd.)	5	1	0	360	29·0	33·60	...	118
D Aldenhams (C. of E. School)	L. W. Stratton, Esq.	5	1	0	298	...	28·60	169	137
D Watford (Callowland)	K. C. Rees, Esq.	5	1	0	250	...	29·20	182	134
D Garston (Building Res. Stn. Site B) (+A)	Director	5	1	0	230	...	29·11	178	129
D Garston (Building Research Station)	Director	5	1	0	250	...	29·30	181	132
D Kings Langley (Fir Tree Cottage)	Edward Toms, Esq.	5	1	0	278	28·1	32·89	178	133
D Kings Langley (Ruckler's Lane)	L. H. Dennett, Esq.	5	1	0	264	...	31·80	189	132
D North Mimms (Pumping Station) (+A)	Barnet Gas & Water Co.	5	1	0	254	...	26·75	185	124
D Hemel Hempstead (Apsley Mills)	Messrs. J. Dickinson & Co.	24	1	4	268	27·9	31·53	162	124
Boxmoor (Moorlands)	L. W. Swainson, Esq.	5	1	0	300	...	32·45	...	...
D Colney Heath (Tyttenhanger P.S.)	Barnet District Water Co.	5	1	0	241	25·7	28·70	183	131
d St. Albans (Hill End Hospital)	Controller	5	1	0	295	25·1	28·16	150	122
D St. Albans (Stonecross P.S.)	L. W. Ball, Esq.	5	1	6	420	...	28·15	167	125

* Formerly called Finchley (Victoria Park).

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS			AUTHORITIES			Rain-gauge				Average Rain- fall	1950		
						Diam.	Height of		ft.		in.	in.	Days with ·01 in. or more	Days with ·04 in. or more
						Rim above Ground	Ground above Sea Level						
HERTFORDSHIRE—(contd.).						in.	ft.	in.	ft.	in.	in.		
2.—THAMES. Colne & Brent—(contd.).													
d	St. Albans (Townsend C.E. School)	...	J. C. Codling, Esq.	...	...	5	1	0	350	...	(29·00)	...	...
D	ST. ALBANS (Oaklands)	...	Hertfordshire Inst. of Ag.	...	...	5	1	0	272	24·9	27·73	172	127
D	St. Albans (Gorhambury)	...	Head Gardener	...	...	5	1	0	432	27·9	32·50	164	141
D	Hatfield (Hatfield Pumping Stn.)	...	Barnet District Water Co.	...	...	5	1	0	340	24·7	28·40	167	127
D	Berkhamsted (Rossway)	...	Maj. A. G. N. Hadden-Paton	...	...	5	1	3	400	...	37·37	190	142
D	Berkhamsted (Lagley)	...	Mrs. E. Johnston	...	...	5	1	0	400	...	33·48	171	135
d	Berkhamsted (Amersfort)	...	W. S. Cohen, Esq.	...	...	5	1	0	510	...	31·70	...	142
D	Berkhamsted (Frithesden Copse)	...	H. V. Gray, Esq.	...	...	5	1	0	550	...	34·01	160	131
D	Tring (Cowroast Lock)	...	Docks & Inland Waterways	...	...	5	1	0	390	...	34·25	165	137
D	Tring (New Ground P.S.)	...	Bucks Water Board	...	...	5	1	0	432	...	33·85	177	134
d	Harpenden (West Common Way)	...	R. Meldrum, Esq.	...	...	5	1	0	420	...	32·14	...	127
D	§Harpenden (ROTHAMSTED)	...	Lawes Agricultural Trust	...	...	5	1	0	420	...	30·96	189	129
D	Harpenden (Rothamsted)	...	Lawes Agricultural Trust	...	...	5	1	0	420	27·3	30·64	187	127
D	Harpenden (Rothamsted)	...	Lawes Agricultural Trust	72 × 87	...	0	0	0	420	28·6	32·13	207	131
D	Markyate Waterworks	...	I. Wilson, Esq.	...	...	5	1	0	538	...	32·20	175	141
3.—THAMES. Lea. 340 sq. mi.													
D	CHESHUNT (Experimental Station)	...	Director, Exp. Research Stn.	...	...	5	1	0	83	...	24·22	177	131
d	Cheshunt Cemetery	...	Cheshunt U.D.C.	...	...	5	0	11	160	...	24·62	173	129
D	Cheshunt Yard	...	Met. Water Board	...	...	5	1	0	100	24·1	25·18	182	125
D	Cheshunt (Darnicle Hill P. Stn.)	...	Met. Water Board	...	...	5	1	0	250	26·2	27·29	177	128
D	Hatfield (Clarke's Road)	...	C. A. Barnes, Esq.	...	...	8	1	0	270	...	27·96	201	128
D	Broxbourne (Broxbournebury)	...	Mr. D. Cake	...	...	5	1	0	140	...	26·10	191	124
D	Hoddesdon	...	H. F. Hayllar, Esq.	...	...	5	3	0	130	23·7	24·82	171	124
d	Hoddesdon (Feilde's Weir)	...	Met. Water Board	...	...	5	3	8	95	23·7	24·74	164	124
D	Haileybury College	...	Headmaster	...	...	8	1	0	270	24·8	26·93	188	134
D	EASTWICK LODGE FARM	...	Harlow Develop. Corp'n.	...	...	5	1	3	160	...	25·54	183	135
d	Hertford (Cole Green)	...	Lee Conservancy Catchm. Bd.	...	...	5	1	0	240	...	26·19	165	147
D	Welwyn Garden City (Sewage Wks.)	...	Engineer & Surveyor	...	...	5	1	0	246	24·7	26·31	173	126
D	Hertford (Sewage Works)	(+A)	Met. Water Board	...	...	5	1	0	123	23·3	26·46	174	127
D	Ware (Red House)	...	Met. Water Board	...	...	5	1	0	105	23·5	25·50	174	128
D	Ware (Grammar School)	...	Headmistress	...	...	5	1	2	118	23·0	28·73	168	141
D	Ware (Chadwell Spring)	...	Metropolitan Water Board	...	...	5	1	0	140	24·2	24·58	171	119
D	Wheathampstead (Water End Ho.)	...	Countess L. M. Reventlow	...	...	5	1	0	255	...	29·94	178	131
D	Blakesware	...	Lee Conservancy Catchm. Bd.	...	...	5	0	9	230	...	26·78	168	143
D	Welwyn (Sewage Works)	...	C. B. Borthwick, Esq., C.E.	...	...	8	0	11	260	...	28·09	180	126
D	Welwyn (Codicote Lodge)	...	Head Gardener	...	...	5	1	0	340	25·8	26·31	154	120
D	Much Hadham (Moor Place)	...	R. C. Norman, Esq.	...	...	5	1	0	270	...	26·55	176	130
D	Bishop's Stortford (Castle Mound)	...	Engineer & Surveyor	...	...	5	1	0	224	...	25·57	174	127
D	Breachwood Green School	...	S. J. Simpson, Esq.	...	...	5	1	0	489	...	28·33	166	127
D	Bishop's Stortford (Dunmow Rd.)	...	H. J. Holmes, Esq.	...	...	5	1	1	290	...	26·17	176	136
D	Knebworth Park	...	Stevenage Development Corp.	...	...	5	1	0	378	...	27·71	178	131
D	Bragbury End	...	Stevenage Development Corp.	...	...	5	1	0	225	...	27·80	178	124
D	Stevenage (Broomin Green)	...	Stevenage Development Corp.	...	...	5	1	0	307	...	26·84	173	119
D	Hitchin (Preston Hill Farm)	...	F. H. Maybrick, Esq.	...	...	8	1	0	484	25·2	28·68	162	124
d	Braughing (Upp Hall)	...	Lady Brodie Henderson	...	...	5	1	6	370	...	26·03	...	128
D	Ardeley Bury	...	Lee Conservancy Catchm. Bd.	...	...	5	1	0	156	...	27·46	172	140
d	Buntingford (Chipping)	...	Lee Conservancy Catchm. Bd.	...	...	5	0	7	340	...	27·05	150	126
D	Royston (Therfield Rectory)	...	Rev. H. R. Humphreys	...	...	5	1	0	512	25·2	28·93	175	125
D	Stevenage (Botany Bay)	...	Stevenage Development Corp.	...	...	5	1	0	420	...	29·90	143	128
D	Hitchin (Knightswood)	...	H. Cooke, Esq.	...	...	5	1	2	300	...	30·16	191	137
4.—OUSE. 86 sq. mi.													
d	Letchworth (Museum)	...	Surveyor U.D.C.	...	...	5	1	0	290	22·3	27·70	...	...
D	Sandon (Wheat Hill)	...	F. G. H. Storey, Esq.	...	...	5	1	0	472	...	27·60	155	122
D	Royston (Earls Hill House)	...	Col. E. C. M. Phillips, D.S.O.	...	...	8	1	3	225	23·6	27·52	189	122

§ Turf wall round gauge.

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
		in.	ft.	in.	ft.	in.	in.		
BUCKINGHAMSHIRE. (Area 743 sq. mi.)									
1.—THAMES. Cherwell. 30 sq. mi.									
D Wotton Underwood (Wotton Ho. Sc.)	Capt. L. Gathorne Wilson	5	1	0	277	...	27·29	175	127
2.—THAMES. Thame. 158 sq. mi.									
D Princes Risborough (Research Lab.)	Director	5	1	0	333	...	30·60	165	121
D Monks Risborough (The Waterworks)	Bucks Water Board ...	5	1	0	363	...	31·16	145	119
D Wendover (Dobbins Lane)	... Bucks Water Board ...	5	1	0	402	...	(35·52)	(181)	(131)
D Tring (Dancers End Pumping Stn.)	... Bucks Water Board ...	5	1	0	650	...	34·23	146	130
D Tring (Bulbourne)	... Docks & Inland Waterways	5	1	0	401	26·2	33·63	188	137
D Aylesbury (Sewage Works)	... Engineer & Surveyor ...	5	1	0	251	25·9	29·19	159	127
D Mentmore Gardens	... Mr. T. Lindores ...	5	1	3	400	25·0	30·39	174	122
3.—THAMES. Wye & c. 129 sq. mi.									
D Eton (Tangier Island)	... (+A) G. S. Baker, Esq. ...	5	0	8	68	24·6	27·66	166	127
D Slough (Upton)	... Mrs. L. R. Bentley ...	5	1	0	78	23·9	27·99	167	127
D Slough (Baylis House)	... Borough Engineer ...	5	1	0	90	...	27·22	163	123
D Taplow Court Gardens	... G. H. Emmett, Esq. ...	5	1	0	212	23·9	26·98	162	125
D Henley-on-Thames (Greenlands)	... Lord Hambleden ...	5	1	0	125	27·1	28·42	152	125
D Burnham Waterworks P.S.	... Engineer ...	5	1	0	180	...	28·83	161	125
D Bourne End	... B. C. Hammond, Esq. ...	5	1	0	96	...	29·77	177	127
D Bourne End (Hedsor)	... J. Wood, Esq. ...	8	1	0	170	...	29·86	173	137
D Hambledon (Hatchmans)	... Prof. G. E. Gask, C.M.G. ...	5	0	9	185	...	32·47	178	133
D High Wycombe (Flackwell Heath)	... W. C. F. Fairley, Esq. ...	5	1	0	365	26·8	28·82	171	125
D High Wycombe (Pann Mill P.S.)	... S. Young, Esq. ...	8	1	1	219	...	31·34	185	132
M High Wycombe (Lane End Res.)	... S. Young, Esq. ...	5	1	0	659	...	33·56	...	...
D Penn (Rayners)	... Mr. E. Peett ...	5	1	10	547	29·4	32·79	173	137
D Hampden House	... The Earl of Buckinghamshire	5	1	0	695	29·2	35·80	191	146
4.—THAMES. Colne 133 sq. mi.									
d Wraybury School	... R. Watson, Esq., L.C.P. ...	5	0	8	59	...	26·10	...	...
D Slough (Ditton Park)	... Admiralty ...	5	2	0	70	24·7	28·68	178	134
D Gerrards Cross (Mill Lane)	... A. L. Carroll, Esq. ...	5	1	0	280	...	30·29	191	136
D Denham Golf Club	... Secretary ...	5	1	6	210	26·4	30·95	140	125
D Gerrards Cross (Bulstrode Gdns.)	... late R. G. Baty, Esq. ...	5	1	6	280	27·2	31·73	185	136
D Beaconsfield	... S. H. Dyer, Esq., M.B.E. ...	5	1	0	350	27·7	31·06	176	137
D Chalfont St. Peter (The Colony)	... J. W. Edwards, Esq. ...	8	1	2	340	...	31·48	200	136
D Coleshill (Rushymead)	... Mr. F. Aldridge ...	5	0	7	550	...	32·06	175	136
D Amersham Waterworks	... F. L. Gordon, Esq. ...	8	1	0	292	...	33·49	185	138
D Amersham (Chestnut Lane)	... R. L. Alexander, Esq. ...	5	1	3	500	...	34·93	171	134
D Gt. Missenden (Pumping Stn.)	... L. F. Hobbs, Esq., C.E. ...	5	0	11	372	27·6	34·79	177	132
D Chesham (Nashleigh Hill)	... Mrs. Hayes ...	5	1	0	534	29·1	34·09	178	135
D Wendover (Pumping Station)	... Bucks Water Board ...	8	1	0	486	...	37·22	194	145
D Chesham Vale (Hawridge P. S.)	... Bucks Water Board ...	5	1	0	423	...	(33·21)	(148)	(126)
d Little Gaddesden (Ringshall End)	... Mrs. Bradby ...	5	1	1	700	28·9	30·30	...	...
D Dagnall (Ivinglea)	... E. L. Hawke, Esq., M.A. ...	5	1	0	550	...	35·10	207	152
5.—OUSE. 293 sq. mi.									
D Oving House	... Head Gardener ...	5	1	0	515	26·4	29·51	165	122
d Wing (Burcott Lodge Farm)	... B. B. Winter, Esq. ...	5	1	0	420	...	31·36	...	...
D Swanbourne House School	... C.N. Wynn, Esq., F.R. Met. Soc.	5	1	0	410	26·3	29·07	158	127
D Buckingham (Modern Sec. School)	... Headmaster ...	5	1	0	303	...	25·15	159	116
D Buckingham (Market Hill)	... A. Pettipher, Esq. ...	5	1	0	300	25·3	26·25	184	130
D Newport Pagnell (Lovat Bank)	... F. W. Taylor, Esq. ...	5	1	8	250	...	28·05	171	129
D Newport Pagnell (Wolverton Road)	... J. Coales, Esq. ...	8	1	6	182	23·2	26·82	158	127
D Olney Waterworks	... F. C. Gasson, Esq. ...	5	1	0	175	...	28·42	188	130
D Olney (Colchester House)	... R. E. Sowman, Esq. ...	5	0	9	170	...	27·96	188	129
D Turvey (Brayfield House)	... Major M. E. Farrer, J.P. ...	5	5	0	180	23·3	28·56	158	130

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam. in.	Height of Rim above Ground	Ground above Sea Level	ft.		Rain- fall in.	Days with ·01 in. or more	Days with ·04 in. or more
OXFORDSHIRE. (Area, 756 sq. mi.)									
1.—SEVERN. Upper Avon. 10 sq. mi.									
D Sibford Ferris (Grounds Farm)	... B. W. Lamb, Esq. ...	5	3	0	570	27·3	26·77	165	121
2.—THAMES. Windrush & c. 261 sq. mi.									
D Kelmscott	... R. Hobbs, Esq. ...	6	1	0	200	24·8	27·24	159	124
D Witney (Grammar School)	... A. L. Parker, Esq., M.A. ...	5	0	11	275	...	30·25	160	123
D Charlbury (Cornbury Park)	... Head Gardener ...	5	1	0	420	...	32·42	141	121
D Chadlington (The Manor)	... Paul Handy, Esq. ...	5	1	0	400	...	28·76	154	131
D Chipping Norton (Heythrop College)	Procurator ...	8	1	0	600	28·0	32·42	193	141
D Chipping Norton (Bungalow)	... T. H. Pettipher, Esq. ...	5	1	0	750	27·6	31·41	165	125
3.—THAMES. Cherwell. 250 sq. mi.									
D Oxford (Hincksey Pumping Station)	... H. H. Crawley, Esq., C.E....	8	1	0	187	24·0	27·74	179	124
D Oxford (Osney Lock)	... Thames Conservancy ...	5	1	6	186	24·4	27·30	158	120
D Oxford (Magdalen College)	... F. J. Parker, Esq. ...	5	1	0	186	23·8	26·50	187	133
D Oxford (Norham Rd.)	... Miss Josephine Fry...	5	1	0	180	...	28·55	177	128
D OXFORD (Radcliffe Met. Station)	... Reader in Climatology ...	8	1	0	208	24·8	28·84	184	128
D Oxford (Banbury Road)	... P. E. Saunder, Esq. ...	5	2	0	200	...	31·08	157	134
D Noke (Orchard Cottage)	... Miss S. M. Fry ...	5	1	0	200	...	29·34	181	130
D Kidlington (Shipton Manor)	... A. J. Wells, Esq. ...	5	1	0	243	...	29·89	190	126
D Middleton Park	... A. C. J. Wall, Esq. ...	5	1	0	326	25·8	29·28	161	109
D West Adderbury (Cross Hill)	... Lt.-Col. H. E. du C. Norris	5	1	0	338	25·4	29·18	161	128
D North Newington (Orchard House)	... H. J. Busby, Esq. ...	5	1	3	392	...	28·49	194	125
D *Grimsbury (Banbury W.W.)	... Banbury Water Co. ...	5	1	3	299	...	26·28	173	121
4.—THAMES. Thame & c. 210 sq. mi.									
D Whitchurch (The Haven)	... D. H. J. Holmes, Esq. ...	5	1	0	140	...	27·86	168	129
D Henley-on-Thames (Hart Street)	... A. Edward Hobbs, Esq. ...	5	1	0	110	25·8	29·34	168	130
D Henley-on-Thames (Greys Lane)	... G. F. Smith, Esq. ...	5	1	1	123	26·1	28·97	172	135
D Henley-on-Thames (Chilterns End)	... J. E. Chalcraft, Esq. ...	5	1	0	250	...	29·59	166	129
D Ipsden (The Vicarage)	... Rev. P. D. Irwin ...	5	1	0	225	...	28·33	171	119
D Ipsden (Hailey)	... A. F. Williams, Esq. ...	5	1	0	350	27·0	28·17	172	123
D Swyncombe House	... C. W. Christie-Miller, Esq. ...	5	1	0	515	30·2	32·97	163	135
D Swyncombe (Cookley House)	... J. S. C. Bridge, Esq. ...	5	1	0	730	30·7	33·39	169	134
D Watlington (Britwell Salome)	... R. Roadnight, Esq....	5	1	0	400	...	31·47	...	128
D Watlington (Cuxham)	... Miss M. E. Edwards ...	5	0	10	200	...	29·67	181	133
D Clifton Hampden (Manor House)	... The Hon. Mrs. G. Gibbs ...	5	1	0	190	23·7	27·55	181	129
D Watlington (Pyrton Manor)	... Col. Ducat Hamersley ...	5	1	0	325	26·5	31·77	183	143
D Drayton St. Leonard (Guy's)	... R. Jackson, Esq. ...	5	1	0	164	...	26·02	182	116
D Wheatfield	... Lt.-Col. A. V. Spencer, D.S.O	5	0	11	260	25·6	29·36	166	120
D Toot Baldon (Potlands)	... H. J. Richens, Esq. ...	5	1	0	289	24·7	27·08	155	130
D Thame (Chiltern Grove)	... H. Badger, Esq. ...	5	1	0	220	...	28·84	185	128
NORTHAMPTONSHIRE. (Area, 1,003 sq. in.)									
1.—SEVERN. Upper Avon. 60 sq. mi.									
D Rugby (Braunston Rectory)	... Rev. H. E. Ruddy ...	5	1	0	385	...	30·41	191	126
D Naseby Reservoir	... Docks & Inland Waterways	5	2	0	519	25·2	28·78	230	142

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DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
		in.	ft.	in.	ft.	in.	in.		
NORTHAMPTONSHIRE—(contd.).									
2.—THAMES. Cherwell. 77 sq. mi.									
3.—OUSE. 148 sq. mi.									
D Hazelborough Woods ...	... Forestry Commission ...	8	1	0	441	...	29·78	176	124
D Towcester (Bradden House) ...	... Miss U. Grant-Ives... ...	5	0	10	420	26·5	29·99	178	143
D Towcester (Easton Neston) ...	... The Rt. Hon. Lord Hesketh ...	8	1	0	325	26·6	28·69	170	139
D Hargrave Hall ...	... Harold A. Pedley, Esq. ...	5	1	2	270	23·7	27·37	164	117
4.—NENE. 622 sq. mi.									
d Litchborough Rectory ...	... Rev. W. F. Browning** ...	5	1	0	485	...	26·40	163	125
D Blisworth (Grand Union Canal) ...	... Docks & Inland Waterways ...	5	4	6	296	23·8	24·79	140	110
D Yardley Hastings (Forest Lodge) ...	... Forestry Commission ...	8	1	3	370	26·4	31·17	189	124
d *Little Houghton House ...	... Mrs. Davidge ...	5	1	0	270	24·3	26·03	119	106
D Northampton (Hardingstone Gen. Stn.)	British Electricity Authority**	5	1	0	189	...	24·28	174	124
D Northampton (General Hospital) ...	Secretary-Superintendent* ...	5	1	3	258	23·5	25·57	185	132
D *Northampton (St. Crispin Hospital) ...	Medical Superintendent ...	8	1	7	398	24·3	26·88	163	119
D *Northampton (Stimpson Avenue) ...	Mid-Northants W. Bd. ...	8	1	0†	329	...	27·67	165	130
D *Northampton (Mercers Row) ...	C. W. Boddington, Esq. ...	5	12	0	250	23·6	27·75	193	142
D *Duston (Southfield Road) ...	W. P. Walker, Esq.... ...	5	1	0	342	25·4	27·89	198	134
D Brockhall (Old Rectory) ...	Major J. Orr Ewing, M.C. ...	5	0	11	380	...	27·06	153	119
D Wollaston ...	G. Harris, Esq. ...	5	1	0	250	23·0	26·14	177	129
D Daventry (Tunnel End) ...	Docks & Inland Waterways ...	5	1	6	394	25·5	28·03	179	133
D *Althorp Park ...	Head Gardener ...	5	0	11	400	26·1	26·31	200	132
D Boughton Park ...	A. J. Old, Esq. ...	5	1	3	350	...	27·60	202	137
D Wellingborough (Nene Wharf) ...	R. Nene Catchment Board ...	5	1	0	135	...	25·11	159	120
D *Wellingborough (Swanspool) ...	R. Kilby, Esq. ...	5	1	0	187	24·3	26·65	174	123
D Wellingborough (Sewage Works) ...	R. Kilby, Esq. ...	5	1	0	139	23·2	21·99	154	113
D Wellingborough (Bushfield W.W.) ...	Mid-Northants W. Bd. ...	8	0	11	286	23·3	26·86	171	128
D Wellingborough Ironworks ...	Stanton Ironworks Co. Ltd. ...	5	0	7	184	...	24·10	153	117
d *Ravensthorpe ...	Mid-Northants W. Bd. ...	5	0	11	320	25·5	27·79	161	123
d Great Harrowden (The Hall) ...	L. J. Farnham, Esq.** ...	5	1	4	290	...	26·16	...	119
D *Hollowell ...	Mid-Northants W. Bd. ...	5	1	0	400	...	27·69	197	140
D RAUNDS (Madison) ...	T. C. Smith, Esq. ...	5	1	0	193	...	25·83	179	127
D Orlingbury Pumping Station ...	Mid-Northants W. Bd. ...	5	1	0	286	...	26·62	151	121
D Lamport Grange ...	C. J. Jay, Esq.** ...	5	0	6	440	26·9	28·75	167	134
D *Kettering W.W. (Cransley) ...	Mid-Northants W. Bd. ...	8	1	6	275	23·7	27·11	208	134
D *Kettering (Sewage Works) ...	Borough Engineer ...	8	1	2	199	24·2	27·51	181	127
D Kettering W.W. (Thorpe Malsor) ...	Mid-Northants W. Bd. ...	5	1	0	345	24·8	25·86	185	125
d Harrington (Church Farm) ...	P. R. Jackson, Esq.** ...	5	4	6	500	...	26·87	...	...
D Kettering W.W. (Clover Hill)...	Mid-Northants W. Bd. ...	5	1	1	344	24·2	24·86	168	118
D Thrapston (Drayton House) ...	Mr. C. V. Craske ...	5	1	6	220	24·7	26·68	183	120
d Thrapston (Islip Furnaces) ...	Messrs. Stewart & Lloyds** ...	...	...	...	...	...	24·76	...	...
D Tichmarsh Rectory ...	Rev. Canon A. M. Luckock* ...	5	1	0	170	23·9	29·13	187	132
D Rothwell (Shotwell Mill W.W.) ...	Surveyor, U.D.C. ...	5	1	6	340	23·6	25·58	175	131
D Desborough U.D.C. Waterworks ...	Mid-Northants W. Bd. ...	5	0	9	457	24·7	26·20	172	131
d Barnford (Lilford Hall) ...	Merchant Venturers' Company ...	8	1	0	100	...	24·77	...	...
d Oundle (Nene Wharf) ...	R. Nene Catchment Board ...	5	1	0	65	...	23·60	...	...
D Corby ...	Messrs. Stewarts & Lloyds** ...	5	1	0	365	...	24·22	152	124
D Kings Cliff (Apethorpe) ...	R. Nene Catchment Board ...	5	1	0	127	...	23·83	158	117
D Peterborough (Woodston) ...	British Sugar Corp'n. Ltd. ...	5	1	0	35	22·3	24·91	154	114
D Peterborough (Westbourne House) ...	E. H. Colman, Esq. ...	5	1	0	35	21·6	23·70	178	114
D Peterborough (Sewage P.S.) ...	(+A) F. J. Smith, Esq., C.E. ...	8	0	10	9	...	25·30	157	121
D Wittering (Bone Mill) ...	E. Betts, Esq. ...	8	1	0	183	23·5	20·52	163	110

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† "Ground" is the roof of a reservoir 18 ft. above the general level.

** Per R. Nene Catchment Board.

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge				Average Rain-fall	1950		
				Diam.	Height of		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
				in.	ft.	in.		ft.				in.	in.
NORTHAMPTONSHIRE—(contd.).											
5.—WELLAND. 96 sq. mi.											
D	Gretton (Hillside)	...	W. Leeson, Esq.	5	1	0	275	...	25.54	131	117
D	Market Deeping (Etton)	...	F. J. Smith, Esq., C.E.	8	1	0	36	21.8	20.48	149	107
HUNTINGDONSHIRE. (Area, 366 sq. mi.)											
1.—OUSE. 327 sq. mi.											
D	Great Gransden	...	Major E. W. R. Bolden	5	1	0	150	...	27.88	154	122
D	Hemingford Grey	...	F. W. Norris, Esq.	5	2	0	20	21.9	27.20	163	124
D	St. Ives (Tenterleas)	...	Mr. H. E. Bell	5	1	0	25	22.6	27.55	170	109
D	Bluntisham Rectory	...	Rev. R. F. McNeile	5	1	0	50	...	26.14	163	127
D	Abbots Ripton Hall	...	G. McLeod, Esq., C.E.	5	1	6	80	...	25.73	153	111
D	Conington Castle Gardens	...	G. McLeod, Esq., C.E.	5	1	0	25	...	25.38	148	121
D	Ramsey (Biggin Lane)	...	W. T. Carter, Esq.	5	1	0	60	...	27.59	158	118
D	Benwick (Four Hundred Farm)	...	G. McLeod, Esq., C.E.	5	1	0	5	...	25.77	162	112
D	Whittlesea Mere	...	G. McLeod, Esq., C.E.	8	1	6	10	21.4	23.23	179	117
D	Peterborough (Farcet)	...	G. E. D. Alcock, Esq.	5	1	0	65	...	24.01	176	109
2.—NENE. 39 sq. mi.											
BEDFORDSHIRE. (Area, 467 sq. mi.)											
1.—THAMES. Colne. 20 sq. mi.											
D	Studham Hall	...	A. S. Butler, Esq.	5	1	0	636	...	29.91	177	123
D	WHIPSNADE (Park)	...	Zoological Society	5	1	0	720	28.7	33.90	201	149
2.—THAMES. Lea. 32 sq. mi.											
D	Luton (Pumping Station)	...	Borough Engineer	5	1	2	330	25.8	28.90	163	126
D	Dunstable (Water Works)	...	Dunstable Gas & Water Co.	5	1	0	520	...	30.26	166	127
D	Dunstable (Cemetery)	...	G. Ashton, Esq., C.E.	8	1	3	515	...	30.63	155	108
D	LUTON (Wardown Park)	...	Borough Engineer	5	1	0	381	...	27.65	163	126
3.—OUSE. 408 sq. mi.											
D	Luton (Stopsley)	...	Lee Conservancy Catchm. Bd.	5	1	0	540	25.7	31.04	174	133
D	DUNSTABLE	...	Meteorological Office	5	1	0	516	...	30.77	164	116
D	Leighton Buzzard (Heath Road)	...	Great Ouse Catchment Bd.	5	1	0	250	...	30.14	195	135
D	Battlesden Pumping Station	...	Bucks Water Board	8	1	0	358	...	31.00	159	129
D	Meppershall (High Street)	...	Mrs. F. Rainbow	5	1	0	250	22.9	26.04	153	122
D	Hockliffe (Lyndhurst)	...	C. J. Kilby, Esq.	5	1	0	241	25.0	29.19	163	110
D	WOBURN (Experimental Farm)	...	Lawes Agricultural Trust	8	1	0	291	23.9	30.40	180	128
D	Letchworth (New Sewage Works)	...	Surveyor, U.D.C.	5	1	0	209	22.3	25.75	157	114
d	Stotfold (Three Counties Hospital)	...	Dr. McDiarmid	5	1	6	220	22.6	26.55	...	...
D	Silsoe (The Red House)	...	H. I. Godfrey, Esq.	5	1	0	212	22.2	27.48	154	114
D	SILSOE (Wrest Park)	...	Nat. Inst. of Agric. Eng.	5	1	0	195	...	26.17	164	115
D	Arlesey Sewage Works	...	H. W. Pridmore, Esq.	5	1	0	141	22.4	27.58	164	126
D	Stotfold Sewage Works	...	H. W. Pridmore, Esq.	5	1	0	130	...	26.29	155	123
D	Ampthill (Lyme Road)	...	Mr. J. K. Horne	5	1	0	300	...	30.02	161	119
D	Shefford (Clifton Close)	...	C. H. Inskip, Esq.	5	1	6	90	22.2	25.91	...	...
D	Biggleswade (New Spring P.S.)	...	T. A. Staniforth, Esq.	5	1	6	180	21.6	26.62	159	122
D	CRANFIELD Airfield	...	(+A) Meteorological Office	5	1	0	340	...	27.16	171	124
D	Kempston	...	Mr. C. S. Payne	6	2	0	125	...	25.73	152	120
D	Potton Sewage Works	...	H. W. Pridmore, Esq.	5	1	0	116	21.7	29.81	159	133
D	Sandy (Mogerhanger Park)	...	W. R. Pettifer, Esq.	5	1	0	152	23.1	27.10	153	124
D	Sandy (Sewage Works)	...	Sandy U.D.C.	5	0	10	72	...	24.40	158	118
D	Bedford (Castle Road)	...	Miss M. E. Newbery	5	4	0	100	22.3	26.52	162	130

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
BEDFORDSHIRE—(contd.).									
3.—OUSE—(contd.).									
D Bedford (Hurst Grove) ...	E. H. Lock, Esq. ...	5	1	0	90	...	26·41	156	128
D Bedford (Bedford Park) ...	(+A) Borough Engineer ...	8	1	3	117	...	23·77	169	120
D Goldington (Castle Mill House) ...	G. A. Rogers, Esq. ...	5	1	6	75	21·9	24·69	139	112
D Great Barford House ...	J. Arnold Whitchurch, Esq. ...	5	1	6	120	22·1	25·85	168	131
d Pavenham ...	C. D. Linnell, Esq. ...	5	0	11	200	22·4	27·22	...	122
D Carlton (Stayesmore Manor) ...	Col. G. A. Battcock ...	5	1	0	168	...	29·18	173	125
4.—NENE. 7 sq. mi.									
CAMBRIDGESHIRE. (Area, 863 sq. mi.)									
1.—STOUR. 17 sq. mi.									
2.—OUSE. 741 sq. mi.									
D Ashwell (Odsey) ...	W. Herbert Fordham, Esq. ...	5	1	6	256	23·0	27·84	174	118
D Abington Pigotts Hall ...	Mr. H. Witherow ...	5	1	0	75	21·8	27·56	141	113
D Melbourn (County School) ...	W. Ogden, Esq. ...	5	1	4	85	...	22·65	146	111
D Horseheath (Rose Farm) ...	O. Tabram, Esq. ...	5	1	0	320	...	27·26	168	126
D Hildersham (Old Mill House) ...	Lt-Col. O. B. Foster, M.C. ...	5	1	6	108	...	24·90	178	127
D Great Shelford (Vicarage) ...	Rev. R. Gardner ...	5	1	0	50	...	25·28	178	119
D Fulbourn (Fleam Dyke) ...	Cambridge W.W. Co. ...	5	1	0	99	23·0	22·74	162	117
D Fulbourn (Hospital) ...	Head Gardener ...	5	0	6	72	...	26·51	156	135
D Cambridge (Barrow Road) ...	N. T. Myers, Esq. ...	8	0	9	47	23·8	27·72	154	126
D Cambridge (33 Barrow Road) ...	Rev. H. C. Newbery ...	5	1	6	30	...	27·77	165	127
D Cambridge (Corporation Store Yard) ...	Borough Engineer ...	5	1	8	52	21·2	26·24	154	115
D CAMBRIDGE (BOTANIC GARDENS) ...	Director ...	5	1	0	41	21·8	28·34	162	127
D Cambridge (Glisson Road) ...	Rev. M. de Courcy-Ireland ...	5	1	0	45	...	27·66	148	112
D Cambridge (Corporation P.S.) ...	Borough Engineer ...	5	2	4	42	22·1	26·63	156	121
D Cambridge (Oxford Road) ...	J. Doggett, Esq. ...	5	1	0	62	...	28·07	161	125
d Cambridge (University Farm) ...	Director ...	5	0	7	75	...	28·44	...	119
d Dullingham (Stetchworth Park) ...	Mr. H. Fern... ...	5	1	3	270	...	25·17	132	115
D Caxton ...	P. Sewell, Esq. ...	5	1	0	170	23·3	23·06	169	123
D Quy Hall ...	Lt-Col. J. C. W. Francis ...	5	0	9	18	22·6	29·61	162	134
D Boxworth (Manor House) ...	Lt-Col. E. B. Thornhill, M.C. ...	5	1	0	76	23·4	28·66	198	138
D Waterbeach (Bottisham Lock) ...	Great Ouse Catchment Bd. ...	5	1	7	10	...	26·49	176	121
D Cottenham (Bernard House) ...	Miss K. Bull ...	5	1	6	30	22·1	27·38	188	125
D Fordham (London House) ...	W. V. Bloom, Esq. ...	5	1	0	30	21·4	27·18	153	131
d Bluntisham (Brownhill Staunch) ...	Great Ouse Catchment Bd. ...	5	1	0	10	...	22·84	164	105
d Stretham Engine House ...	C. O. Clarke, Esq. ...	5	1	0	13	...	24·56	...	119
D Ely (Roswell Pits) ...	Great Ouse Catchment Bd. ...	5	2	0	114	...	28·69	180	125
D Ely (Prickwillow) ...	Supt. Middle Fen Comm. ...	...	...	...	10	...	29·40	173	130
D Littleport (Highfield House) ...	H. G. Martin, Esq.... ...	8	4	0	67	21·3	24·18	171	117
D Chatteris (The Vicarage) ...	Rev. J. C. Hawthorn ...	5	0	11	30	...	25·17	219	117
D Chatteris (Cemetery) ...	G. McLeod, Esq., C.E. ...	5	1	0	25	...	25·18	168	116
D Chatteris (Puddock Bridge) ...	G. McLeod, Esq., C.E. ...	5	1	0	5	...	26·72	159	120
D Whittlesey (Glassmoor Bungalow) ...	Whittlesey Farcet Int. D. Bd. ...	5	1	3	1	...	23·42	145	113
D Whittlesey (Ashline Sluice) ...	G. McLeod, Esq., C.E. ...	5	1	0	15	...	24·52	138	116
D March ...	G. McLeod, Esq., C.E. ...	5	1	0	8	22·8	27·04	148	124
D Upwell (Marmont Priory Lock) ...	G. McLeod, Esq., C.E. ...	8	1	0	10	20·6	24·10	173	119
3.—NENE. 105 sq. mi.									
D Stanground Sluice ...	G. McLeod, Esq., C.E. ...	5	1	0	15	21·7	24·60	187	115
D Thorney Toll (Elm Tree Farm) ...	Mrs. Snushall ...	5	2	6	6	...	25·69	122	106
D Thorney (North House) ...	H. W. Burton, Esq. ...	5	1	0	4	...	24·78	170	118
d Thorney (Nuts Grove Farm) ...	T. R. Pick, Ltd. ...	5	0	5	12	...	23·11	...	...
D Parson Drove (Clough's Cross) ...	J. C. Purser, Esq. ...	8	1	0	6	22·1	24·78	188	123
D Wisbech (Queens Road) ...	C. Dann, Esq. ...	5	1	6	10	23·0	25·16	162	129
D Wisbech (Tydd Manor) ...	A. H. Carter & Sons ...	5	6	0	9	...	25·78	145	121

DIVISION IV—EASTERN COUNTIES

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground above	Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
ESSEX. (Area, 1,532 sq. mi.)									
1.—THAMES. Lea. 132 sq. mi.									
D West Ham (Abbey Mills) ...	London County Council ...	8	0	8	15	22·3	23·90	166	127
D Leyton (Sewage Works) ...	Borough Engineer ...	5	0	9	22	23·0	23·96	174	132
D Lea Bridge (Waterworks) ...	Met. Water Board ...	5	1	0	23	22·0	22·79	163	133
D Walthamstow (Ferry Lane) ...	Met. Water Board ...	5	1	0	30	22·6	22·52	167	124
D *Woodford (Haggar Lane) ...	Met. Water Board ...	8	1	0	176	23·0	23·76	158	131
D *Buckhurst Hill Reservoir ...	Met. Water Board ...	5	1	0	275	23·9	25·59	177	135
D Chingford (Beresford Road) ...	H. Hawkins, Esq. ...	5	0	10	150	...	24·22	183	131
D Chingford (Crescent Road) ...	Miss M. L. Mathieson ...	5	1	0	200	23·3	25·29	173	130
D Chingford Mill ...	Met. Water Board ...	5	1	0	40	23·0	23·20	169	133
D Loughton (High Beech Res.) ...	Met. Water Board ...	8	1	0	376	25·1	26·36	180	135
D Waltham Abbey (Rammey Marsh) ...	Met. Water Board ...	5	1	0	60	23·4	23·17	162	131
D Waltham Abbey (Pumping Stn.) ...	Met. Water Board ...	5	1	0	62	23·3	24·40	165	138
D Waltham Abbey (Gunpowder Factory) ...	Superintendent ...	5	1	0	64	...	23·51	...	...
D Harlow (Hill House) ...	Capt. T. M. Illingworth ...	5	1	0	175	...	25·72	181	134
D Spellbrook Lock ...	Lee Conservancy Catchm. Bd. ...	5	0	9	172	...	24·50	149	128
D Hatfield Broad Oak (Barrington) ...	A. H. Gosling, Esq. ...	5	0	10	300	24·3	26·44	187	142
D Stansted Nurseries ...	C. G. Hill-Smith, Esq. ...	5	1	0	275	...	26·34	174	132
D Stansted (Burton Bower) ...	Major E. Cawkell ...	5	1	0	335	...	25·25	171	127
D Stansted (Bentfield Place) ...	Major W. S. Gosling ...	5	0	9	300	24·6	25·42	170	...
D Clavering (Clavering Hall) ...	Messrs. Tinney & Hitchcock ...	5	0	9	300	...	25·99	165	130
2.—THAMES. Roding & c. 316 sq. mi.									
D Grays (Sewage Works) ...	Manager ...	8	2	0	9	20·3	21·39	170	124
D Tilbury (Beaconsfield Road) ...	C. S. H. Hawkes, Esq., C.E. ...	5	1	0	6	20·2	22·42	...	...
D Purfleet ...	Thames Board Mills, Ltd. ...	8	1	0	4	...	21·48	194	123
D Grays (Connaught Avenue Depot) ...	C. S. H. Hawkes, Esq., C.E. ...	5	1	6	80	...	20·76	...	...
D Rainham (Riverside Sewage Wks.) ...	Dagenham U.D.C. ...	8	1	6	5	19·3	21·48	169	131
D Orsett Hall ...	Col. F. H. D. C. Whitmore ...	8	1	2	80	...	20·07	...	...
D Barking ...	Engineer and Surveyor ...	5	1	0	5	...	21·33	153	120
D EAST HAM (Central Park) ...	Corporation ...	8	1	0	15	22·3	24·00	185	138
D East Ham Well ...	Met. Water Board ...	5	1	0	17	21·6	21·78	164	127
D Canvey Island ...	Engineer & Surveyor ...	5	1	0	9	...	21·60	168	117
D Ilford (Loxford Park) ...	L. E. J. Reynolds, Esq., C.E. ...	5	1	0	30	...	23·68	165	126
D Ilford (Goodmayes Park) ...	L. E. J. Reynolds, Esq., C.E. ...	5	1	0	38	...	24·01	156	124
D Ilford (Valentines Park) ...	(+A) L. E. J. Reynolds, Esq., C.E. ...	5	1	0	43	...	23·01	168	125
D Ilford (Clayhall Park) ...	L. E. J. Reynolds, Esq., C.E. ...	5	1	0	109	...	23·05	165	122
D Ilford (Barkingside) ...	N. Twydell, Esq. ...	5	1	0	85	...	24·25	154	131
D Ilford (Hainault Rec. Ground) ...	L. E. J. Reynolds, Esq., C.E. ...	5	1	0	105	...	25·25	163	129
D SOUTHEND (The Cliffs) ...	The Pier-Master ...	8	1	0	90	...	19·82	166	111
D Southend (Waterworks) ...	Southend Waterworks Co. ...	8	1	0	123	20·3	19·94	163	108
D Vange Pumping Station ...	Southend Waterworks Co. ...	5	1	0	43	...	20·49	143	118
D Manor Park (City of London Cem.) ...	Superintendent ...	5	0	6	50	22·4	23·29	...	107
D Pitsea Pumping Station ...	Southend Waterworks Co. ...	5	1	0	28	20·6	23·11	...	...
D Horndon (Eastern Sewage Works) ...	Hornchurch U.D.C. ...	5	1	3	23	20·5	19·93	133	102
D Hornchurch (Kenilworth Gardens) ...	R. G. Burrell, Esq. ...	5	1	0	80	...	23·28	185	130
D Hornchurch ...	Hornchurch U.D.C. ...	8	1	0	44	21·0	22·83	169	127
D Wanstead (Red Bridge) ...	Met. Water Board ...	5	1	0	25	22·8	21·97	161	122
D Romford (Raphael Park) ...	Engineer & Surveyor ...	5	1	0	109	...	23·07	173	131
D Havering-atte-Bower (Fernside) ...	E. W. Smith, Esq. ...	5	1	0	365	25·8	26·45	176	137
D Brentwood (Secondary Boys' School) ...	Headmaster ...	5	1	0	396	...	25·46	179	125
D Loughton (The Summit) ...	Mrs. Stoker ...	5	0	9	314	...	26·71	167	131
D Theydon Bois (Birch Hall) ...	Lt.-Col. E. N. Buxton ...	5	0	11	300	23·8	(26·13)	157	121
D Ongar (Wilderness House) ...	Wing Cmdr. D. A. J. Buxton ...	5	0	10	175	...	25·04	...	...
D North Weald (Canes) ...	late G. Hart, Esq. ...	5	1	0	250	24·2	27·12	173	122
D Chipping Ongar (Flyfield) ...	R. Roding Catchment Board ...	5	1	0	159	...	25·46	151	135
D Great Canfield ...	G. Eland, Esq. ...	5	1	0	294	...	25·77	150	127

* Turf wall round gauge.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
ESSEX—(contd.).									
3.—CROUCH. 186 sq. mi.									
D Southend (Southchurch Boulevard) ...	H. J. G. Ralph, Esq. ...	8	1	0	66	21.0	20.55	183	110
D SHOEBURYNES ...	Meteorological Office ...	5	1	0	11	19.8	20.74	167	111
d Southchurch (Barling Road) ...	C. E. Smith, Esq. ...	5	1	6	25	...	21.18	...	111
d Leigh (Office) ...	Southend Waterworks Co. ...	5	1	0	137	20.9	21.91	...	...
D Leigh (Brick House) ...	Miss I. Bentall ...	5	0	10	136	...	22.55	154	122
D Eastwood Pumping Station ...	Southend Waterworks Co. ...	8	1	0	50	21.0	23.25	174	117
D Thundersley Reservoir ...	Southend Waterworks Co. ...	5	1	0	277	21.3	20.99	164	121
D Rayleigh (Alanbank) ...	Miss E. I. Chant ...	5	1	0	262	...	23.22	171	121
w Nevendon Pumping Station ...	Southend Waterworks Co. ...	5	1	0	43	20.5	22.61	...	...
D Billericay (Service Tank) ...	Southend Waterworks Co. ...	5	1	0	310	...	24.71	184	127
D Burnham (Fisheries Laboratory) ...	Min. of Agric. & Fisheries... ..	8	1	0	10	...	18.34	142	97
D Burnham (Wycke Farm) ...	J. W. Cottis, Esq. ...	5	1	0	0	...	18.90	152	117
d Southminster (The New Moor) ...	Miss M. A. Athenborough	5	1	6	72	...	20.64	...	109
4.—BLACKWATER. 425 sq. mi.									
D Hutton (Greenway) ...	H. C. Mills, Esq., F.C.I.S. ...	5	1	6	325	...	28.33?	184	134
D Stock (Byways) ...	M. Bourne, Esq. ...	5	1	0	199	...	23.55	183	129
D Ingatestone (Trueloves) ...	Mr. F. W. Mann ...	5	1	0	249	23.1	23.09	165	128
D Chelmsford (Galleywood) ...	W. Lawrence Taylor, Esq....	8	1	0	200	...	21.67	144	115
D Chelmsford (Longstomps Res.) ...	Water Engineer ...	5	1	0	230	...	22.10	162	127
D Bradwell-on-Sea (Bellropes) ...	H. D. Chillingworth, Esq. ...	5	1	6	75	20.5	20.90	163	101
D WRITTLE (Inst. of Agric.) ...	Essex Inst. of Agriculture ...	5	1	0	110	...	22.38	162	128
D MALDON ...	Town Clerk ...	5	1	0	14	20.0	20.22	155	102
D Chelmsford (Sandford Mill W.W.) ...	Essex Rivers Catchment Bd. ...	8	0	10	68	...	20.21	163	113
D Hatfield Peverel (Rushes Lock) ...	Southend Waterworks Co. ...	8	1	6	40	...	20.95	181	124
D Langford (Treatment Plant) ...	Southend Waterworks Co. ...	8	1	5	40	21.8	20.79	169	124
d Witham (Wickham Hall) ...	D. B. Smith, Esq. ...	5	1	0	60	20.8	20.36	...	113
D Hatfield Peverel (Lower Farm) ...	H. J. Russel, Esq. ...	5	1	0	101	...	20.87	177	125
D Hatfield Peverel (Bury Farm) ...	W. D. Goldsmith, Esq. ...	5	1	0	130	...	21.43	163	128
D Tolleshunt D'Arcy (D'Arcy Hall) ...	C. Weston Eve, Esq. ...	5	1	0	85	...	21.11	143	114
d Wickham Bishops ...	Mrs. M. D. Fowler... ..	5	1	4	250	21.4	18.72	...	...
D Tolleshunt D'Arcy (Oxley Hill) ...	H. Campkin, Esq. ...	5	1	0	100	22.0	20.97	165	124
D Witham (Faulkbourne Hall) ...	Mrs. C. W. Parker ...	5	0	8	100	21.9	20.81	147	113
d Little Leighs (Kelle) ...	W. C. Neild, Esq. ...	5	1	2	192	22.3	22.30	...	120
d Kelvedon (Harboro Hall) ...	A. Bevington Smith, Esq. ...	5	1	0	200	...	21.00	...	...
d Kelvedon (Messing Street) ...	Mrs. Calver ...	5	2	1	120	...	20.74	...	106
Rivenhall (Park Gate Farm) ...	Joseph Smith (Farms) Ltd. ...	5	1	0	149	...	20.84	...	...
D Felsted School ...	J. D. Lee, Esq. ...	5	1	0	248	22.9	25.97	174	132
D Great Dunmow ...	Messrs. Hasler & Co., Ltd. ...	5	1	0	241	...	24.46	173	131
D Rayne (Staneway) ...	Mrs. Burt ...	5	1	0	247	23.0	22.39	165	128
D Braintree (Coggeshall Road) ...	A. F. Gunn, Esq. ...	5	1	0	222	...	21.25	145	106
D Shalford (Littles) ...	W. B. Hart, Esq. ...	5	1	5	262	22.8	23.49	180	134
D Great Bardfield (South Lodge) ...	G. H. Brunwin, Esq. ...	5	1	0	240	23.2	22.66	152	121
5.—COLNE & C. 283 sq. mi.									
d St. Osyth (Wigborough Wick) ...	P. B. Smith, Esq. ...	5	1	0	10	19.3	19.15	...	...
D CLACTON-ON-SEA (Hospital Site) ...	Town Clerk ...	5	1	0	68	20.5	19.09	164	107
D Clacton-on-Sea (King's Road) ...	W. Tomlin, Esq. ...	5	1	0	45	...	19.09	150	107
d Great Clacton (Clay Hall) ...	Miss E. A. Smith ...	5	1	0	45	20.4	19.04	...	...
D Tiptree W.W. ...	S. Essex Waterworks Co. ...	5	1	0	239	...	21.96	164	125
D Little Holland (The Sluice House) ...	Essex Rivers Catchment Bd. ...	5	1	0	7	...	20.00	163	112
D Colchester (L'ayer-de-la-Haye) ...	S. Essex Waterworks Co. ...	5	1	0	145	...	19.57	156	112
D WALTON-ON-NAZE ...	Engineer and Surveyor ...	5	1	0	35	20.2	19.68	170	113
D Colchester (Hythe Gas Works) ...	Eastern Gas Board... ..	8	4	0	6	22.0	20.54	137	99
D Colchester (Castle Park) ...	J. S. Orchard, Esq., C.E. ...	8	1	2	87	...	21.85	178	111
D Colchester (Waterworks) ... (+A)	J. S. Orchard, Esq., C.E. ...	8	1	0	38	...	21.53	166	110
D Colchester (Queen's Road) ...	A. J. Bullock, Esq. ...	5	1	0	120	...	21.59	156	118

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS			AUTHORITIES			Rain-gauge				Average Rain- fall	1950		
						Diam.	Height of		Ground above Sea Level		in.	Rain- fall	Days with ·01 in. or more
		in.	ft.	in.	ft.								
ESSEX—(contd.).													
5.—COLNE & C.—(contd.).													
	Earls Colne (Coggeshall Road)	...	C. T. Richardson, Esq.	...	5	1	0	200	...	22·61	...	...
D	EARLS COLNE (Grammar School)	...	Headmaster	...	5	1	0	160	...	22·77	154	117	
d	Ardleigh (Chancery Farm)	...	Mrs. Lloyd	...	5	1	6	120	...	21·29	...	104	
D	Halstead (Attwoods)	...	R. E. Vaizey, Esq.	...	5	1	6	200	23·6	23·06	171	122	
D	HALSTEAD (The Brewery)	...	F. N. Adams, Esq.	...	5	1	0	140	23·0	24·42	171	128	
D	Great Yeldham Hall	...	G. A. Goodchild, Esq.	...	5	1	6	80	23·1	22·50	169	126	
6.—STOUR. 110 sq. mi.													
D	DOVERCOURT	...	Borough Surveyor, Harwich	...	5	1	0	47	21·1	20·84	158	113	
d	Mistley (The Maltings)	...	Messrs. Brooks (Mistley), Ltd.	...	8	1	0	25	22·2	20·67	...	108	
D	Dedham	...	R. Stour (Essex & Suff.) C. Bd.	...	5	1	0	115	...	23·20	158	108	
D	Nayland (Boxted Lodge)	...	R. Stour (Essex & Suff.) C. Bd.	...	5	1	2	160	...	22·83	158	108	
d	Nayland (Boxted)	...	Messrs. Carter & Blewitt, Ltd.	...	5	1	0	154	...	21·22	...	102	
D	Manningtree (Lawford Place)	...	B. X. Plastics, Ltd.	...	5	1	0	113	...	22·50	170	111	
D	Langham Waterworks	...	S. Essex Waterworks Co.	...	5	1	0	44	22·0	20·35	163	105	
D	Sudbury (Belchamp Hall)	...	T. C. Clark, Esq.	...	5	1	0	160	...	20·95	141	112	
7.—OUSE. 80 sq. mi.													
D	Quendon (Rickling)	...	Messrs Tinney & Hitchcock	...	5	1	0	325	...	24·92	157	122	
D	Saffron Walden (Debden Road)	...	A. Marsh, Esq.	...	5	1	0	305	...	24·43	155	113	
D	Saffron Walden (Bridge End)	...	C. E. Chapman, Esq.	...	5	2	0	200	...	23·87	159	116	
SUFFOLK. (Area, 1,489 sq. mi.)													
1.—STOUR. 271 sq. mi.													
D	East Bergholt (Ackworth House)	...	A. Harwood, Esq.	...	8	1	0	145	...	21·12	150	109	
D	Little Cornard (Moss Cottage)	...	R. Stour (Essex & Suff.) C. Bd.	...	5	1	0	145	...	20·89	139	115	
D	Sudbury (Edwardstone)	...	R. Stour (Essex & Suff.) C. Bd.	...	5	1	0	185	...	23·05	155	120	
D	Hadleigh (Penlands)	...	E. A. Lee, Esq.	...	5	1	0	185	24·4	23·58	180	117	
D	Haverhill Waterworks	...	J. H. Clarke, Esq.	...	8	0	9	280	...	23·97	159	117	
D	Long Melford (Westgate House)	...	K. F. Colville, Esq.	...	5	1	0	146	23·5	21·04	164	112	
d	Long Melford (Stafford Works)	...	R. Stour (Essex & Suff.) C. Bd.	...	5	3	0	103	...	20·34	(153)	(107)	
d	Clare (Little Wratting)	...	R. Stour (Essex & Suff.) C. Bd.	...	5	0	9	296	...	22·11	...	116	
D	Boxted Hall	...	R. Stour (Essex & Suff.) C. Bd.	...	5	1	0	160	...	21·75	153	124	
2.—ORWELL. 166 sq. mi.													
D	Hartest (Chadacre Agric. Inst.)	...	The Principal	...	5	0	8	250	...	21·04	147	119	
d	Cockfield	...	R. Stour (Essex & Suff.) C. Bd.	...	5	1	0	270	...	22·03	...	121	
D	Trimley (The Avenue)	...	R. L. T. Clarkson, Esq.	...	5	1	0	72	...	22·13	181	104	
D	IPSWICH (BELSTEAD HALL)	...	(+A) Richard Wilson, Esq.	...	5	1	0	123	...	22·54	177	111	
d	Ipswich (Upton Lodge)	...	E. Suffolk Riv. Catch. Bd.	...	5	1	0	77	...	22·09	(164)	(113)	
D	Ipswich (Museum)	...	Curator	...	8	1	0	72	23·5	21·04	168	108	
D	Elmsett (Laurel Cottage)	...	Miss C. E. Ladbrook	...	5	3	6	230	23·8	22·71	158	117	
D	Coddensham (Cousins Hill)	...	Miss Tidswell	...	5	1	0	160	23·9	25·41	179	133	
3.—DEBEN & C. 466 sq. mi.													
D	FELIXSTOWE	...	(+A) Meteorological Office	...	5	1	0	10	...	19·00	162	111	
D	Hollesley Pumping Station	...	E. Suffolk Riv. Catch. Bd.	...	5	1	0	11	...	20·73	150	114	
d	Waldringfield	...	late Mrs. H. L. Glossop	...	5	1	0	50	22·3	20·37	...	...
D	Ipswich (Daleacre)	...	C. Harrison-Jones, Esq.	...	5	1	2	140	...	24·23	202	126	
D	Martlesham (Beacon Hill)	...	the Earl of Albermarle	...	5	1	0	100	...	23·24	161	116	
d	Woodbridge (Little Bealings)	...	Capt. Guy Lemprière	...	5	0	9	50	22·6	22·90	...	115	
D	Great Bealings (The Croft)	...	Admiral E. F. Bruen, C.B.	...	5	0	7	50	...	(26·13)	(182)	(138)	
D	Woodbridge (Warren Hill Road)	...	Mrs. J. B. Martin	...	5	1	0	100	...	22·91	157	120	
D	Melton (Greylands)	...	Miss Jervis-White-Jervis	...	5	1	6	40	24·3	22·65	150	117	

|| Gauge oversheltered.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SUFFOLK—(contd.).									
3.—DEBEN & C.—(contd.).									
D Melton (St. Audry's Hospital)	... The Senior Admin. Officer	5	1	0	90	23·8	21·91	166	115
D Grundisburgh (Bridge House)	... Mrs. Armstrong	5	1	1	50	...	25·22	175	122
Charsfield (Red House)	... Hugh P. Youngman, Esq.	5	1	9	150	24·1	24·36	...	...
D Blaxhall	... R. H. Sherwood, Esq.	5	1	0	50	23·4	23·93	173	118
D Aldeburgh (Iken Way)	... G. E. Sunderland-Taylor, Esq.	...	...	...	10	...	21·57	168	112
D Saxmundham	... M. F. Jennings, Esq.	5	0	5	95	...	21·53	136	103
d Saxmundham (Agric. Dem. Plot)	... Agricultural Executive	5	0	6	90	...	22·21	...	...
D Leiston (Upper Abbey)	... Miss M. K. Rope	5	1	0	40	...	22·73	159	117
D Southwold	... H. A. Liguorish, Esq.	8	1	0	0	...	23·01	165	127
d Benacre Pumping Station	... E. Suffolk Riv. Catch. Bd.	5	1	0	10	...	22·53	180	132
4.—YARE & C. 208 sq. mi.									
D Harleston (Mendham Mills)	... D. Connell, Esq.	5	1	0	49	...	23·93	176	116
D Lowestoft (Secondary School)	... Town Clerk	5	1	0	82	23·5	23·84	152	110
D Herringfleet House	... G. H. Wyllys, Esq.	5	1	0	55	25·2	27·67	192	138
D Lound Pumping Station	... Lowestoft Water & Gas Co.	8	1	0	33	24·0	25·45	165	124
d Hopton (Hopton House)	... Col. F. E. Walter, D.S.O.	5	1	2	100	...	26·31	...	120
d Fritton Warren	... Miss V. M. Upcher	5	1	0	42	25·9	25·56	...	132
D Fritton Hall	... Mr. F. Read	8	0	11	30	24·7	27·59	178	132
5.—OUSE. 378 sq. mi.									
d Bury St. Edmunds (Turret Close)	... Rev. P. R. Frost	5	0	9	130	...	23·45	...	116
D Bury St. Edmunds (Corp. Depot) (+A)	... Borough Engineer	5	3	9	181	...	25·33	178	127
D Newmarket (Sewage Outfall)	... F. B. Waterfall, Esq.	5	1	0	81	23·2	27·13	153	131
d Bury St. Edmunds (Westley Hall)	... Mrs. Burrell	5	1	0	226	25·1	24·98	147	134
D Pakenham Church Hall	... E. Bryant, Esq.	5	0	9	155	...	22·40	163	115
D Bury St. Edmunds (Barton Lodge)	... Mrs. S. Cox	5	1	0	200	...	23·51	171	128
D Hengrave Hall	... late Sir John Wood, Bart.	5	1	5	85	22·9	23·78	159	129
D Bury St. Edmunds (Troston Hall)	... F. S. Beauford, Esq.	5	1	0	130	23·0	24·67	168	123
D Mildenhall (Worlington)	... Lord Sandhurst	5	1	2	30	...	26·40	193	133
D MILDENHALL Airfield	... (+A) Meteorological Office	8	1	0	15	...	26·02	173	121
D Isleham Lock	... Great Ouse Catchment Bd.	5	5	2	10	...	26·07	165	124
Barningham (The Beeches)	... Miss A. K. Lingwood	5	0	9	136	22·6	24·44	...	...
D Elveden Hall	... The Earl of Iveagh, C.B.	5	1	0	130	23·9	25·39	172	137
NORFOLK. (Area, 2,041 sq. mi.)									
1.—YARE. 658 sq. mi.									
D Diss (Roydon Hall)	... R. S. Copeman, Esq.	5	1	0	140	...	26·60	160	131
D Diss (Bressingham Hall)	... A. H. V. Bloom, Esq.	5	1	10	96	...	25·81	178	130
Harleston (Starston)	... A. L. Taylor, Esq.	5	0	10	120	...	25·33	180	125
D Pulham St. Mary (Hill House)	... W. G. Rutter, Esq.	5	1	0	120	24·7	30·49	185	152
D Ditchingham	... W. G. Rutter, Esq.	5	1	0	25	23·9	27·74	172	141
D Ashwellthorpe (Tacolneston Hall)	... C. H. Walter, Esq.	5	1	0	200	...	29·42	168	147
D Beccles (Raveningham Hall)	... Lt.-Col. Sir Edmund Bacon Bt	5	1	6	60	24·6	25·57	168	121
D Hapton Parsonage	... Lt.-Col. H. C. Copeman	5	1	0	120	...	25·80	153	127
D Wymondham	... J. B. Pomeroy, Esq.	5	1	3	118	...	26·19	172	128
Hardingham Hall	... Col. B. M. Edwards*	...	...	...	100	...	29·58	...	...
D Hingham (Southburgh)	... R. W. Keatley, Esq.	5	1	4	190	...	29·90	199	129
D GORLESTON (C.G. Station)	... Station Officer (M.O.)	8	1	0	5	24·5	26·31	170	122
D Norwich (Bramerton Hall)	... A. M. Blake, Esq.	5	1	6	95	...	30·00	178	125
Norwich (Cringeford)	... C. R. Edmundson, Esq.	5	1	0	75	...	27·56	158	123
D Norwich (City Cemetery)	... L. Alan Jewell, Esq.	5	1	2	93	25·5	29·13	168	136
D Thorpe St. Andrew (Pine Banks)	... H. J. Jarrold, Esq.	5	1	7	140	...	28·45	163	136

‡ Turf wall round gauge.

* Per Norfolk Rainfall Organization.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Ground above Sea Level					
		in.	ft.	in.	ft.	in.	in.		
NORFOLK—(contd.).									
1.—YARE—(contd.).									
D Norwich (Marlingford Hall) ...	Major E. H. Evans-Lombe	5	1	1	83	26.9	25.56	176	129
Great Fransham ...	Sir Stephen Renshaw	5	1	0	230	...	31.64	190	148
Sprowston (Oak Lodge) ...	A. Cozens-Hardy, Esq.*	5	1	0	100	25.2	29.80	...	...
D East Dereham (The Laboratory) ...	Leonard A. Pett, Esq.	5	1	1	300	...	29.14	153	124
D Taverham (Deighton Hills) ...	T. B. Norgate, Esq.	5	1	0	100	...	26.82	160	124
D Great Massingham ...	Mr. A. E. Jones	5	2	3	260	...	30.42	190	139
D WEST RAYNHAM Airfield ...	Meteorological Office	5	1	0	240	...	29.73	182	132
d Cawston (New Street) ...	N. B. Howard, Esq.	5	0	8	148	26.6	29.14	177	134
D Fakenham (Wells Road) ...	W. H. Fisher, Esq.	5	2	0	9	...	32.60	175	136
2.—YARE. Bure & c. 368 sq. mi.									
D SPROWSTON ...	Director, Norfolk Ag. Stn.	5	1	0	93	25.7	28.55	178	126
D Horsham St. Faith Airfield ... (+A)	Meteorological Office	12	1	6	99	...	27.14	177	126
D Yarmouth (Ormesby St. Michael) ...	Gt. Yarmouth W.W. Co.	8	1	0	22	26.2	28.51	184	126
D Horning (Pumping Station) ...	Gt. Yarmouth W.W. Co.	8	1	0	9	...	27.63	158	120
D Wroxham (Hoveton House) ...	Mrs. I. C. Blofeld	5	1	4	100	...	30.03	156	129
d Wroxham (Hoveton Home Farm) ...	T. R. C. Blofeld, Esq.	5	0	9	32	...	27.41	...	...
D Haynford (Grove Cottage) ...	J. C. Harrison, Esq.	5	0	7	50	...	27.63	150	123
d Buxton (Dudwich) ...	C. E. Briscoe, Esq.	5	1	0	100	...	27.75	...	120
Hevingham (Rippon Hall) ...	Rev. A. F. Marsham*	5	0	7	90	26.4	29.78	...	...
D Wroxham (Barton Hall) ...	Lady Delia Peel	5	0	8	...	...	28.96	171	119
Hickling (Old Rectory) ...	Cdr. P. Barlow, R.N.*	5	1	0	...	...	28.90	...	...
Aylsham (Woodgate House) ...	Lt.-Col. P. W. Purdy*	5	1	0	100	...	29.89	...	...
D Worstead (Lyngate Cottage) ...	G. Cross, Esq.	8	1	6	50	26.5	34.43	176	132
D Aylsham (The Mount) ...	Dr. C. L. Maingay	5	1	0	90	...	29.43	180	135
D Aylsham (Wilderness) ...	Mrs. J. Peed...	5	1	0	100	...	30.38	178	137
D Aylsham (Mill House) ...	R. L. Rust, Esq.	5	1	0	50	...	29.86	159	127
D Blickling Rectory ...	J. W. Montgomery, Esq.	5	1	2	90	...	30.41	179	146
D Hindolveston (School House)...	Headmaster	5	1	0	212	...	35.84	191	137
D North Walsham (Worstead Lodge) ...	Mr. F. J. Frostick	5	3	6	170	...	27.76	174	128
D Erpingham (Wolterton Park) ...	Lord Walpole	5	1	0	115	...	33.92	193	155
D Melton Constable Park ...	Head Gardener	8	0	11	287	...	35.86	180	147
3.—STIFFKEYS & C. 290 sq. mi.									
D Sandringham House Gardens ...	Mr. C. H. Cook	5	1	6	121	26.4	31.53	197	145
D Fulmodestone School ...	E. H. Clements, Esq.	5	1	0	214	...	31.02	164	130
D Holt (Holt Lodge) ...	Miss P. D. Lascelles	5	1	0	210	...	32.76	170	143
D Cromer (Northrepps Hall) ...	Lt.-Col. C. R. Gurney	5	1	0	226	26.7	31.72	153	130
D CROMER (Howards Hill) ...	Clerk to the U.D.C.	8	1	0	178	23.8	30.79	179	139
D Langham ...	Miss F. E. Butcher	5	0	9	134	...	29.54	204	137
D Burnham Market ...	Mrs. Harry Buxton	5	0	10	50	...	27.47	170	137
D Burnham Market (School House.) ...	A. E. Evans, Esq.	5	1	0	50	...	26.36	174	127
D Sheringham Hall ...	Sir Henry E. S. Upcher	5	0	9	135	...	30.35	...	...
D Sheringham (Pine Grove) ...	T. E. Ormond, Esq.	5	1	0	70	...	31.80	197	140
Sheringham (Sheringham House) ...	Rev. E. C. S. Upcher	5	1	0	100	...	32.13	166	128
D §HUNSTANTON ...	Advancement Assn.	5	1	1	105	...	26.10	176	120
D Holme-next-Sea (Holme House) ...	Mr. D. E. Plume	5	1	0	10	...	26.04	168	127
4.—OUSE & C. 709 sq. mi.									
D Garboldisham Manor ...	A. W. Starling, Esq.	8	1	0	70	23.2	25.18	204	139
D Thetford (Kilverstone Hall) ...	Baron Fisher of Kilverstone	8	1	0	70	21.7	28.49	186	134
D Thetford Waterworks ...	L. G. Howell, Esq.	8	1	0	165	23.8	26.17	186	125
Downham Waterworks ...	Downham R.D.C.	5	1	1	120	...	28.75	161	126
D THETFORD (Lynford Hall) ...	Forestry Commission	5	1	0	50	...	31.41	177	125
d Attleborough (Breccles Hall) ...	J. E. Fitt, Esq.	5	0	9	120	...	30.95	...	113

* Per Norfolk Rainfall Organization.

§ Turf wall round gauge.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of Rim Ground above above Ground Sea Level		Rain- fall		Days with ·01 in. or more	Days with ·04 in. or more	
NORFOLK—(contd.).		in.	ft.	in.	ft.	in.	in.		
4.—OUSE & C.—(contd.).									
D Denver Sluice	Great Ouse Catchment Bd.	5	1	7	10	...	26·28	159	124
D Downham (Dial House)	Messrs. T. H. Wenn & Co.	5	1	6	50	...	27·26	177	127
D Outwell (Well Creek Sluice)	G. McLeod, Esq., C.E. ...	5	1	0	16	22·0	20·50	145	118
d Stow Bridge (Crabb's Abbey)	R. D. Carter, Esq. ...	5	3	0	8	...	26·41	...	...
D Swaffham (Saham Toney)	F. J. Faulkner, Esq. ...	5	1	0	127	...	29·39	174	129
d Swaffham (Bradenham Hall)	A. P. D. Penrose, Esq. ...	8	0	10	311	...	31·17	...	135
D King's Lynn (Shouldham)	W. R. O. Woodward, Esq.	5	2	0	41	...	29·95	183	128
D Narborough Hall	F. H. Ash, Esq. ...	5	1	0	45	...	30·14	196	134
D Narborough (Narford Hall)	G. F. Attwood, Esq. ...	5	1	0	58	...	30·63	147	127
D Wiggenshall (St. Germans Sluice)	G. McLeod, Esq., C.E. ...	5	1	0	9	23·1	26·00	176	114
D King's Lynn (North Runcton Lodge)	Capt. W. N. Gurney ...	5	1	0	50	...	28·26	207	132
D Terrington St. Clement (Sec. School)	H. W. Pooley, Esq....	5	12	0	13	...	26·33	185	135
D Gayton Waterworks	H. G. Ridler, Esq. ...	5	1	0	131	...	29·37	175	127
D King's Lynn (Manure Works)	W. J. R. Baxter, Esq. ...	5	1	2	0	...	25·29	177	124
D King's Lynn (Freebridge)	Great Ouse Catchment Bd.	5	2	0	15	...	27·06	160	138
D Grimston (School House)	J. R. Steward, Esq. ...	5	1	2	62	...	30·32	193	132

DIVISION V—SOUTH-WESTERN COUNTIES

WILTSHIRE. (Area, 1,370 sq. mi.)

1.—LOWER AVON. 383 sq. mi.									
D Upton Scudamore P.S.	Engineer & Manager	5	1	0	305	...	37·74	202	142
D Westbury (Penleigh House)	Lt. Col. G. M. Atkinson	5	1	0	220	...	35·94	173	142
D Westbury (Wellhead)	Waterworks Engineer	5	1	0	321	...	35·61	167	138
D Westbury (Braemar)	Mrs. F. D. Richards	5	1	0	250	...	36·43	197	142
D Westbury Sec. Mod. School	B. A. S. Archibold, Esq.	5	1	3	225	...	33·68	159	133
D WEST LAVINGTON (Dauntsey's School)	Headmaster	5	0	11	270	...	34·52	182	132
D Little Cheverell House	Dr. T. W. Newton Dunn	5	1	0	300	...	35·52	175	144
D Market Lavington (Schoolhouse)	A. F. Burbridge, Esq.	5	0	9	290	29·0	33·77	183	140
D Trowbridge (Town Hall)	Engineer	8	1	2	131	...	32·18	190	133
D Bradford-on-Avon (Iford Manor)	Viscount Esher, C.B.E.	5	1	1	101	...	(35·84)	(165)	(136)
D Seend (Cleeve House) (R)	Head Gardener	8	1	6	200	...	31·90	194	136
D Holt (The Elms)	A. V. H. Beaven, Esq.	5	1	0	144	30·3	35·55	180	149
D Great Chalfield	Major R. F. Fuller	5	1	2	165	28·6	34·54	197	137
D Melksham (Forest Road)	I. Potheary, Esq.	5	1	0	136	...	34·61	178	142
D Bowood House	Baroness Nairne	5	1	4	306	...	38·29	178	148
D LACOCK (Lackham House)	E. Wilkinson, Esq.	5	1	0	160	...	34·07	182	139
D CORSHAM (The Tynings)	W. A. Tolley, Esq.	5	1	0	310	...	36·55	193	150
d Calne (Castle Walk)	G. G. Phillips, Esq.	5	1	0	240	28·9	38·55	...	...
D Chippenham Waterworks	Borough Surveyor	5	1	2	144	...	35·59	183	145
D Chippenham (Monkton Park)	H. R. Coventry, Esq.	5	1	7	200	...	37·44	172	144
D Chippenham (Kington Langley)	Mrs. Garnett	8	1	0	172	30·3	40·25	...	...
D LYNEHAM Airfield (+A)	Meteorological Office	5	0	11	455	...	33·76	186	143
D Chippenham (Littleton Drew)	J. D. Marriott, Esq.	5	5	0	418	...	34·42	175	152
D Wroughton (Basset Down House)	Mrs. Arnold Forster	5	1	0	500	29·8	34·20	171	137
D Tockenham Manor	Major G. J. Buxton	8	1	0	400	...	34·31	177	149
d Malmesbury (Norton Manor)	Major N. S. Wilson	8	1	0	326	...	37·91	...	141
D Malmesbury (Elm Leaze)	Miss E. Milnes-Walker	5	1	0	260	...	39·86	182	150
2.—STOUR. 33 sq. mi.									
D Sedgemoor (Peakes Farm)	R. Fisher Crouch, Esq., M.P.	5	1	0	491	...	39·86	201	166
D Mere (Charnage)	W. G. B. White, Esq.	5	1	6	426	33·8	40·47	182	152
D Stourhead	H. P. R. Hoare, Esq.	5	1	2	583	38·1	45·51	205	162

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
WILTSHIRE—(contd.).									
3.—EAST AVON. 554 sq. mi.									
D Shaftesbury (Donhead St. Mary) ...	B. H. Mottram, Esq. ...	5	1	0	530	...	40·96	182	144
D Broad Chalke ...	Dr. H. N. Burroughes ...	5	4	1	362	...	40·27	159	135
D Salisbury (Harnham) ...	Mrs. E. M. Taunton ...	5	1	0	200	...	38·31	176	147
D Salisbury (Folkestone Road) ...	M. A. Chaplin, Esq. ...	5	1	0	200	...	34·34	165	126
d Tisbury (Beckford Lodge) ...	Col. I. Forbes, D.S.O. ...	5	0	8	480	...	40·30	...	155
D Fonthill House Gardens ...	Major J. G. Morrison, M.P. ...	5	1	0	400	37·8	44·37	189	156
D Salisbury (Sewage Works) ...	(+A) City Engineer ...	8	1	0	147	29·7	31·38	174	132
D Salisbury (Manor Road) ...	Miss L. C. D. Awdry ...	5	1	0	250	29·2	35·80	202	138
D Wilton (Stone Lodge) ...	Major B. W. Parker ...	5	1	6	175	...	37·26	184	134
D Salisbury (Dinton) ...	Mrs. Bovill ...	5	1	2	300	...	39·11	198	168
D PORTON (C.D.E.E.) ...	(+A) Supt. Met. Dept. ...	5	0	11	363	26·5	34·77	187	133
D Steeple Langford (Woodstock) ...	Miss A. J. Powell ...	5	1	0	257	...	38·02	156	125
d Wylde (Fisherton de la Mere) ...	Lt.-Col. F. N. Jeans ...	5	0	10	350	...	36·92	...	123
d Maiden Bradley House ...	Duke of Somerset ...	5	1	0	620	38·4	44·66	...	...
D BOSCOMBE DOWN Airfield ...	(+A) Meteorological Office ...	8	1	0	417	...	32·25	173	127
d Warminster (Crockerton P.S.) ...	Warminster U.D.C. ...	5	1	6	460	...	41·40	...	137
D Warminster (Henford) ...	Mrs. Robinson ...	5	1	8	400	...	38·10	184	148
D Warminster (St. John's Lodge) ...	D. Vesey, Esq. ...	5	1	6	400	...	36·21	214	147
D LARKHILL (School of Artillery) ...	(+A) Meteorological Office ...	5	1	0	430	25·5	34·32	176	132
D Shrewton (Maddington) ...	Miss V. L. Windsor ...	5	0	9	285	...	35·32	175	140
D Everleigh Rectory ...	Rev. J. S. Macnutt ...	5	1	0	590	...	36·40	171	137
D Woodborough (The Manor House) ...	Brigadier N. C. Lang ...	5	1	3	400	...	34·91	187	148
D Pewsey (Oare) ...	Miss F. M. Peall ...	5	1	6	500	...	34·54	190	151
4.—TEST. 77 sq. mi.									
D Ludgershall (Conholt Park) ...	Miss H. M. Gaskell ...	8	1	0	760	33·9	37·94	175	128
5.—THAMES. Kennet. 169 sq. mi.									
D Bishops Cannings (Shepherds Shore) ...	Devizes Gas & Water Dept. ...	8	2	1	564	...	35·77	191	150
D MARLBOROUGH (College) ...	Headmaster ...	5	1	1	424	31·1	38·28	189	146
D Aldbourne (Manor House) ...	Capt. W. Brown, J.P. ...	5	1	0	435	...	35·71	208	148
6.—THAMES. Cole and c. 154 sq. mi.									
D Wroughton (Swindon W.W.) ...	J. Ackroyd, Esq., B.Sc., C.E. ...	5	1	3	448	...	33·91	179	146
D Chiseldon (Hodson House) ...	A. Deadman, Esq. ...	5	0	9	560	29·0	34·15	197	148
D Swindon (Osborne Street) ...	H. Cook, Esq. ...	5	1	0	322	...	32·78	185	139
D Swindon (Town Gardens) ...	J. Ackroyd, Esq., B.Sc., C.E. ...	5	1	1	476	27·5	32·80	177	138
d Purton (Restrop House) ...	Col. A. Canning ...	5	1	3	444	27·7	30·71	...	...
DORSET. (Area, 983 sq. mi.).									
1.—PARRETT. 61 sq. mi.									
D Evershot (Melbury House) ...	Mr. W. G. Lee ...	5	2	0	460	38·7	46·79	164	133
D Crewkerne (Chedington) ...	F. A. Highmore, Esq. ...	5	1	0	605	...	39·49	192	144
D Sherborne (Sewage Disposal Works) ...	C. E. Bean, Esq. ...	8	1	0	164	...	35·98	182	140
d Sherborne (Seafeld Cottage) ...	A. S. Arnold, Esq. ...	5	1	4	320	...	36·02	...	...
D Sherborne (Barton Gardens) ...	C. E. Bean, Esq. ...	8	1	0	285	...	35·73	185	143
2.—AXE. 25 sq. mi.									
D Forde Abbey ...	G. D. Roper, Esq. ...	5	0	10	200	37·7	42·63	176	142

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
DORSET—(contd.).									
3.—FROME & C. 501 sq. mi.									
d Portland Sec. Mod. School ...	Headmaster ...	5	0	9	300	...	33.01	...	118
D Corfe Castle (Encombe) ...	The Hon. Sir Ernest Scott ...	5	1	0	200	...	34.46	147	123
D WEYMOUTH (Westham) ...	Town Clerk ...	5	1	0	16	28.0	35.62	159	116
D Swanage (Panorama) ...	E. Horncastle, Esq. ...	5	1	0	120	...	34.97	171	120
d SWANAGE ...	Clerk to the U.D.C. ...	5	1	0	14	...	35.52	...	133
D Chickereil (Lower Putton) ...	A. H. White, Esq. ...	5	1	0	45	...	34.01	171	122
D Steeple (Manor House) ...	Mrs. Swann ...	5	0	8	231	34.8	37.63	181	140
D Corfe Castle (Mortons House) ...	Lt.-Col. A. R. Bond ...	5	1	6	100	...	37.85	173	131
D Creech Grange ...	J. W. G. Bond, Esq., C.B. ...	5	1	0	228	37.1	41.62	213	139
D Abbotsbury (West Street) ...	J. C. P. White, Esq. ...	5	1	6	147	29.2	36.31	160	129
d Abbotsbury (West End) ...	The Earl of Ilchester ...	8	1	6	100	...	35.37	...	117
D Upwey (Friar Waddon) ...	Engineer and Surveyor ...	5	1	0	215	...	34.75	184	124
D Upwey (Higher Well) ...	Engineer and Surveyor ...	8	1	0	289	...	38.35	208	142
D Warmwell ...	Weymouth W.W. Co. ...	5	1	0	134	...	41.51	182	141
D Wareham (East Holme) ...	Miss L. S. Bond ...	5	1	0	23	33.9	34.65	159	129
D Wool (East Burton House) ...	Rev. C. S. Pugh ...	5	1	8	100	...	34.40	188	134
D Wareham (Binnegar Hall) ...	Mr. J. W. Hayward ...	5	1	0	65	33.8	37.47	172	119
D Wareham (Stockford) ...	W. Bond, Esq. ...	8	0	11	65	33.4	38.40	175	127
D Wareham (Trigon) ...	Mrs. L. Sturdy ...	8	1	4	60	32.1	36.09	176	118
D Dorchester (Littlemayne) ...	E. R. Sykes, Esq. ...	5	1	0	200	...	45.12	197	158
D Burton Bradstock (White House) ...	Major J. M. Wratlaw ...	5	1	0	40	...	35.77	159	130
D Dorchester (South Court Avenue) ...	E. A. Sparks, Esq. ...	5	1	0	220	...	45.03	188	133
D Dorchester (Queen's Avenue) ...	H. I. Bond, Esq. ...	5	1	2	240	...	41.80	187	126
D Dorchester Waterworks ...	Borough Engineer ...	8	1	0	312	36.6	46.08	195	142
D Dorchester (Stinsford) ...	J. Wyndham Hull, Esq. ...	5	1	0	207	37.4	41.17	179	128
D Dorchester (Birkin House) ...	Mrs. Weber ...	5	1	0	230	37.4	42.48	171	133
D Bradford Peverell House ...	H. F. Middleton, Esq. ...	5	1	0	370	...	47.51	196	138
D POOLE ...	Borough Council ...	5	1	0	18	...	31.42	162	114
d Poole (Pitwines Gasworks) ...	Southern Gas Board ...	5	1	3	6	...	33.48	...	117
d Poole (Henry Harbin School) ...	T. Johnson, Esq., B.Sc. ...	5	1	0	20	...	(33.54)	...	...
d Parkstone (Balmoral Rd.) ...	Mrs. E. V. Hall ...	5	1	0	75	...	33.33	194	123
D Charminster (Brooklands) ...	K. P. Druce, Esq. ...	5	0	10	200	...	46.16	...	127
D Branksome (Bourne Valley) ...	Southern Gas Board ...	5	1	2	50	30.0	34.03	162	122
D Bournemouth (Alderney Res.) ...	Bournemouth Water Co. ...	8	1	3	213	...	34.07	171	128
D Lyme Regis (Penard) ...	Mrs. M. E. Peat ...	5	1	0	83	33.2	40.55	187	146
D Lyme Regis (The Haye) ...	C. T. Thring, Esq. ...	5	0	10	200	...	42.95	197	151
D Bridport (Coneygar) ...	Bridport Waterworks Co. ...	5	1	0	110	32.9	38.48	180	135
D Charmouth (Fishpond) ...	Dr. John L. Haughton ...	5	0	9	730	...	37.34	212	139
D Bridport (Shere) ...	W. A. Roberts, Esq. ...	5	1	0	90	...	38.62	176	137
D Bridport (Ryall) ...	W. T. Bridges, Esq. ...	5	1	6	460	...	41.52	167	134
D Bloxworth Heath (Research Nursery) ...	Forestry Commission ...	5	1	0	80	...	36.80	178	112
D Tolpuddle (Manor House) ...	Mrs. B. Thorp ...	5	1	0	150	32.9	37.69	162	133
D Puddletown Vicarage ...	Rev. Canon A. L. Helps ...	5	4	6	200	35.8	42.97	176	137
d Bere Regis (Barrow Hill) ...	H. Galton, Esq. ...	5	1	2	240	32.9	35.55	169	119
D Lytchett Matravers (Kit Robins) ...	H. Blanchard, Esq. ...	5	1	0	300	...	36.03	173	124
D Wynford House ...	Mrs. Aldridge ...	5	1	0	410	43.5	50.26	195	147
D Netherbury (The Chantry) ...	Lt.-Col. H. L. Kitson ...	5	1	0	150	35.2	41.87	194	142
D Beaminster (Netherbury Court) ...	Mrs. S. W. Blacker ...	5	0	9	400	...	38.74	...	...
D Beaminster (East Street) ...	W. A. Stiby, Esq. ...	5	1	0	183	37.6	43.46	198	147
D Minterne ...	Col. The Lord Digby, D.S.O. ...	5	1	0	800	...	46.78	197	154
4.—STOUR. 384 sq. mi.									
D Lytchett Matravers School ...	Headmaster ...	5	1	6	300	...	37.75	168	123
D Broadstone (Grange Road) ...	R. Nimmo, Esq. ...	5	1	0	160	...	36.76	178	130
D Corfe Mullen (The Plantation) ...	A. J. Russell, Esq. ...	8	1	0	300	...	37.77	186	130

|| Gauge oversheltered.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
DORSET—(contd.).									
4.—STOUR.—(contd.).									
D Wimborne (Corfe Mullen W.W.)	... Waterworks Engineer	5	1	0	81	32·9	36·65	157	116
D Wimborne (Stapehill)	... W. J. Marchant, Esq.	5	1	0	95	...	36·15	169	126
D Wimborne (Walsford Bridge P.S.)	... Bournemouth Water Co.	8	0	9	70	...	36·69	162	121
Blandford (East Street)	... R. Biddulph, Esq.*	5	0	10	105	...	36·90	...	...
D Blandford (King's Road)	... D. Blanchard, Esq.	5	1	0	195	...	35·42	169	126
D Blandford (Bryanston)	... Miss A. M. Jaques	5	1	0	185	...	39·86	165	136
D Blandford (Letton)	... Brig.-Gen. B. F. B. Stuart, C.B.	8	1	7	200	...	37·20	158	123
D Glanvilles Wootton (Manor Ho.)	... H. B. Debenham, Esq.	5	0	9	250	35·2	39·25	168	139
D Holwell (Little Westrow)	... Miss H. A. Warry	5	1	0	252	34·4	41·13	190	148
D Wimborne St. Giles (St. Giles Ho.)	... The Earl of Shaftesbury, K.P.	5	1	6	165	33·4	37·64	165	125
D Sturminster Newton (Stock Gaylard)	Miss Blake	5	1	0	350	...	35·60	183	141
D Child Okeford Manor	... J. H. L. Glasbrook, Esq.	5	1	0	250	...	40·23	170	138
D Stalbridge (Grove Cottage)	... F. B. Harris, Esq.	5	1	0	320	...	39·78	195	149
d Shaftesbury (St. Margaret's Marsh)	... G. W. Payne, Esq.	5	2	2	180	...	36·16	...	147
d Woodyates (Cobley)	... Mrs. A. S. Eastwood	5	1	0	500	...	41·89	...	127
D SHAFTESBURY (C.E. School)	... Headmaster (M.O.)	5	1	0	680	...	39·71	200	147
D Gillingham (Buckhorn Weston)	... A. Cox, Esq.	5	1	0	220	...	38·53	183	149
D Gillingham (Malt House)	... Col. The Lord Basing	5	1	6	275	...	38·22	191	154
5.—EAST AVON. 12 sq. mi.									
SOUTH DEVONSHIRE. (Area, 1,707 sq. mi.)									
1.—PARRETT. 7 sq. mi.									
2.—TAMAR & C. 395 sq. mi.									
D PLYMOUTH (MOUNT BATTEN)	(+A) Meteorological Office	5	1	0	87	...	45·20	208	165
D PLYMOUTH (THE HOE)	... Corpn. (G. H. Ivory & Part.)	8	1	0	117	36·7	45·34	217	167
D Plymouth (Drake's Reservoir)	... N. G. Elliot, Esq., C.E.	5	1	0	149	37·5	44·64	206	168
D Plymouth (Freedom Fields)	... Corpn. (G. H. Ivory & Part.)	8	1	0	208	39·4	45·70	219	172
D Devonport (Rowdens Res.)	... N. G. Elliot, Esq., C.E.	5	1	0	201	35·1	44·78	209	167
D Plymouth (Hartley Reservoir)	... N. G. Elliot, Esq., C.E.	5	1	0	321	39·9	48·05	216	171
D Plympton (Little Woodford)	... W. P. Cundy, Esq.	5	1	0	90	...	53·54	224	179
D Bickleigh (Roborough Reservoir)	... N. G. Elliot, Esq., C.E.	5	1	0	548	46·2	58·01	254	184
D Lee Moor House	... R. Martin, Esq.	8	1	0	900	62·4	73·60	225	201
d Roborough (Maristow Gdns.)	... F. A. Tuck, Esq.	5	1	0	60	...	60·90	...	180
D Sheepstor (Redstone)	... N. G. Elliot, Esq., C.E.	5	1	0	760	59·0	73·61	252	211
D Sheepstor (Burrator)	... N. G. Elliot, Esq., C.E.	5	1	0	755	...	72·18	251	216
D Sheepstor (Head Weir)	... N. G. Elliot, Esq., C.E.	5	1	0	730	57·0	73·57	250	215
D Dousland Reservoir	... N. G. Elliot, Esq., C.E.	5	1	0	721	51·8	66·22	218	190
M Dartmoor (Deancombe Farm)	... N. G. Elliot, Esq., C.E.	5	1	0	807	...	78·34	...	...
D Yelverton (Yarrow-Dousland)	... R. R. Brown, Esq.	5	0	8	700	...	68·54	254	202
D Yelverton (Uppaton)	... Com. J. P. Burton, R. N. (Retd.)	5	1	0	605	...	62·58	236	203
D Dartmoor (Lowery)	... N. G. Elliot, Esq., C.E.	5	1	0	899	...	71·93	252	212
M Dartmoor (Leather Tor Farm)	... N. G. Elliot, Esq., C.E.	5	1	0	910	59·0	76·57	...	...
M Dartmoor (Siward's Cross)	... N. G. Elliot, Esq., C.E.	5	1	0	1074	69·7	89·00	...	...
D Horrabridge (Dostabrook)	... Mrs. M. F. Corpin	5	0	9	300	...	64·71	227	198
D Whitchurch (Grenofen)	... H. Chichester, Esq.	5	1	2	325	46·1	60·63	240	197
D TAVISTOCK	... T. H. Harris, Esq.	5	1	0	457	47·6	57·59	226	198
M Dartmoor (Double Waters)	... N. G. Elliot, Esq., C.E.	5	1	0	1165	64·2	81·21	...	...
D Dartmoor (N. Hessary Tor)	... N. G. Elliot, Esq., C.E.	5	1	0	1398	...	81·66	264	223
D Mary-Tavy (Blackdown)	... H. K. G. Rogers, Esq.	5	1	0	855	...	68·98	198	186
d North Brentor (Langstone)	... T. M. Lashbrook, Esq.	5	1	0	800	...	60·86	...	195
D Coryton Manor	... T. Newman, Esq.	5	1	2	450	43·5	59·79	228	195
D Werrington Park	... Mr. R. M. Gregory	5	1	0	600	...	53·89	230	181
D Ashwater Rectory	... Rev. R. J. D. Newhouse	5	1	0	480	42·6	57·38	224	187
D Holsworthy (Bodmeryic)	... Miss A. D. Rogers	5	0	11	476	42·3	59·13	230	199

* Per Mid-Wessex Rainfall Association.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
SOUTH DEVONSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
3.—ERM & C. 217 sq. mi.									
D Stoke Fleming (Oversea House) ...	T. C. Fishburn, Esq. ...	5	1	6	200	...	47·48	192	153
D Stoke Fleming (Windward) ...	Miss E. L. Garrett ...	5	1	0	380	...	53·30	226	172
D Yealmpton (Torr) ...	Miss M. Wimbush ...	5	1	9	100	35·5	53·09	226	184
D Yealmpton (Cross Park House) ...	Rev. Canon J. V. Yonge ...	5	1	3	150	...	54·91	232	177
d Loddiswell (Hazlewood House) ...	The Hon. Mrs. Peek ...	5	1	0	300	...	56·47	...	...
D Wrangaton (Moorhaven Hosp.) ...	Corpn. (G. H. Ivory & Part.)	5	1	0	650	54·2	69·49	240	196
D South Brent (Beechfield) ...	J. A. Kingwell, Esq. ...	5	1	0	500	61·0	71·61	211	188
D South Brent (Badworthy) ...	Miss D. B. Latham ...	5	1	2	550	64·4	83·63	205	186
D South Brent (Didworthy San.)	Medical Officer* ...	5	1	0	675	...	85·18	260	210
Cornwood (Yealm Head No. 5)	W. H. Thompson, Esq., C.E.	5	1	0	540	...	76·31	...	164
Cornwood (Yealm Head No. 1)	W. H. Thompson, Esq., C.E.	5	1	0	943	...	79·28	...	...
||Cornwood (Yealm Head No. 2)	W. H. Thompson, Esq., C.E.	5	1	0	1305	...	82·52	...	...
Cornwood (Yealm Head No. 4)	W. H. Thompson, Esq., C.E.	5	1	0	1415	...	78·55	...	...
Cornwood (Yealm Head No. 3)	W. H. Thompson, Esq., C.E.	5	1	0	1416	...	80·87	...	...
4.—DART. 197 sq. mi.									
D Dartmouth (Dean's Lodge) ...	P. F. Summers, Esq. ...	5	4	0	80	...	48·73	216	158
D Dartmouth ...	Borough Engineer & Surveyor	5	0	7	9	...	47·20	213	153
D Brixham ...	Torbay Paint Co., Ltd. ...	5	1	6	164	...	43·39	201	145
D Brixham (Combe Bank) ...	Sir Harold Clayton, Bart. ...	5	6	6	115	36·7	46·43	190	145
D Brixham (Galmpton) ...	Dr. C. B. F. Tivy ...	5	1	0	290	...	47·04	198	146
d Totnes (Dundridge Gardens) ...	Head Gardener ...	5	1	0	250	48·3	59·99	...	152
D PAIGNTON (Victoria Park) ...	Town Clerk ...	8	1	0	12	...	42·83	204	156
* D Totnes (Bridgetown) ...	W. J. Toope, Esq. ...	5	1	3	40	41·8	49·94	184	152
D TOTNES (Dartington Hall) ...	Dartington Hall Trust ...	5	1	0	100	...	48·98	195	156
D Broadhempston (Sneydhurst) ...	H. S. Burberry, Esq. ...	5	1	6	200	...	44·11	225	153
D Ashburton (West St.) ...	W. T. Hannaford, Esq. ...	5	1	0	236	51·7	58·90	214	161
D Ashburton (Hele House) ...	Rev. M. H. Needham ...	5	0	7	350	...	53·92	214	176
D Dartmoor (Fox Tor) ...	Water Eng'r. Paignton U.D.C.	5	1	7	1160	...	81·03	258	201
D Dartmoor (Strane Valley) ...	Water Eng'r. Paignton U.D.C.	5	1	7	1180	...	73·86	258	204
D Dartmoor (Swincombe) ...	Water Eng'r. Paignton U.D.C.	5	1	7	1047	...	86·70	245	216
D PRINCETOWN (H.M. Prison) ...	(+A) Governor, (M.O.) ...	5	1	0	1359	81·9	95·11	252	215
W Dartmoor (Cowsic Valley) ...	N. G. Elliot, Esq., C.E. ...	5	1	0	1323	76·7	88·46	...	...
D WIDECOMBE-IN-THE-MOOR ...	Miss O. Kitson ...	5	1	0	1150	...	62·43	217	184
M Dartmoor (Beardown Tor) ...	N. G. Elliot, Esq., C.E. ...	5	1	0	1582	76·6	89·93	...	...
M Dartmoor (Beardown Hill) ...	N. G. Elliot, Esq., C.E. ...	5	1	0	1560	...	87·39	...	...
5.—TEIGN. 209 sq. mi.									
D Torquay (Higher Lincombe Road) ...	G. N. Carleton-Stiff, Esq. ...	5	1	0	260	...	38·73	190	136
D TORQUAY (Abbey Park) ...	Town Clerk ...	5	1	0	27	33·0	38·90	188	142
D Torquay (Lydwel Court) ...	J. M. Hepburn, Esq. ...	5	0	10	410	...	41·42	203	153
D Abbotskerwell (The Manor House) ...	W. B. C. Paynter, Esq. ...	5	1	0	140	...	41·46	204	152
D NEWTON ABBOT (Seale-Hayne College)	Principal ...	5	1	0	375	...	43·37	188	158
D TEIGNMOUTH (Den Gardens) ...	G. F. Rossiter, Esq., B.Sc. ...	8	1	0	20	31·8	36·79	184	145
D Teignmouth (Hazledown Res.) ...	Engineer & Surveyor ...	8	1	0	425	32·4	39·88	197	160
D Teignmouth (Shaldon Res.) ...	Engineer & Surveyor ...	5	1	0	213	34·9	40·68	188	148
D Teignmouth (Landscore Res.) ...	Engineer & Surveyor ...	8	1	0	132	33·2	38·74	195	154
D Kingsteignton (Firleigh Rd.) ...	M. B. B. Heath, Esq. ...	6	1	0	130	...	37·80	170	140
D DAWLISH (The Lawn) ...	Engineer & Surveyor ...	5	1	0	18	...	36·40	196	152
D Dawlish (Luscombe Castle) ...	Peter Hoare, Esq. ...	8	1	2	175	35·9	45·64	206	160

* Per Corpn. (G. H. Ivory & Part.)

|| Gauge over-exposed on moor.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam. in.	Height of Rim above Ground	Ground above Sea Level	ft.		Rain- fall in.	Days with ·01 in. or more	Days with ·04 in. or more
SOUTH DEVONSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
5.—TEIGN—(contd.).									
D	Dawlish (Beach House) H. S. Marshall, Esq., O.B.E.	5	1	0	80	...	36·80	172	140
D	Chudleigh (Scotleigh) J. P. Hepburn, Esq.	5	1	3	280	...	41·34	187	152
D	Hennock (Hazlewood) R. P. Kitson, Esq.	5	1	0	650	...	46·67	205	168
D	Lustleigh (Tottisford) Water Engineer, Torquay	8	1	0	790	...	48·01	257	166
M	Chagford (Hurstons Ridge) Water Engineer, Torquay	5	1	0	1350	...	85·73	...	...
M	Chagford (Toms Hill) Water Engineer, Torquay	5	1	6	1500	...	92·49	...	...
M	Chagford (White Ridge) Water Engineer, Torquay	5	1	6	1650	...	88·97	...	...
M	Chagford (Hemstone) Water Engineer, Torquay	5	1	6	1350	...	87·61	...	...
D	Christow (Kennick) No. 1 Water Engineer, Torquay	8	1	0	836	41·6	44·72	246	168
D	Chagford (Fernworthy) Water Engineer, Torquay	5	1	0	1150	...	78·57	299	197
D	Chagford (Metherall) Water Engineer, Torquay	8	1	0	1150	...	77·91	299	195
M	Chagford (Thornworthy Down) Water Engineer, Torquay	5	1	6	1250	...	81·97	...	...
M	Chagford (Crownhall) Water Engineer, Torquay	5	1	0	1320	...	88·75	...	...
w	Christow (Smithacott) Water Engineer, Torquay	5	1	0	861	42·7	44·70	...	...
w	Christow (Laployd) Water Engineer, Torquay	5	1	6	1041	42·3	51·27	...	...
D	Chagford (Thornworthy) Miss W. H. Varwell	5	0	6	1175	59·6	84·24	246	198
D	Chagford (Teignworthy) E. A. Courthope, Esq.	5	1	0	1000	...	63·07	250	199
D	Chagford (Denshams) C. V. Somers Cocks, Esq.	5	0	11	650	...	58·58	223	176
D	Chagford (Huish) Col. P. Hart Dyke, D.S.O.	5	1	0	590	45·5	57·81	203	177
D	Drewsteignton (Newton Barton) C. A. St. George Moore, Esq.	5	1	0	700	...	42·41	207	156
6.—EXE. 445 sq. mi.									
D	EXMOUTH (Salterton Road) Engineer U.D.C.	5	1	0	195	28·6	34·53	179	139
D	Exmouth (Filters, Chapel Lane) Engineer U.D.C.	5	1	0	240	30·3	33·64	187	139
D	STARCROSS Min. of Agric. & Fisheries	5	1	0	29	...	35·58	180	137
D	Kenton (The Vicarage) Rev. K. E. Alexander	5	1	0	100	...	37·59	195	148
D	Woodbury (Oakhayes) E. S. Chattock, Esq.	5	1	0	200	...	37·70	162	141
D	Shillingford Rectory Rev. C. L. O'Ferrall	5	1	8	200	...	39·23	172	137
D	Exminster (Trood House) Lt.-Col. T. L. Ormiston	5	1	11	75	32·9	38·73	190	144
D	Exeter (Hatfield Longdown) C. Holman, Esq.	5	1	6	450	33·8	40·91	186	154
d	Aylesbere (Homestead) W. J. Slader, Esq.	5	0	10	220	31·4	36·55	...	134
D	Exeter (Heavitree) W. N. Lavis, Esq.	5	1	0	112	...	34·95	192	142
d	Exeter (Devon and Exeter Inst.) Librarian	5	13	7	155	30·5	32·75	...	130
	Exeter (The Close) Rev. Canon D. McLaren	5	1	7	100	...	34·57	...	135
w	Exeter (St. Marks) W. N. Lavis, Esq.	5	1	0	145	...	36·98	...	...
D	EXETER Airport (+A) Meteorological Office	5	1	0	125	...	36·38	182	146
d	Rockbeare Manor Mrs. D. M. Follett	5	0	10	180	30·7	33·05	...	...
D	Whimble (Woodland) W. H. L. Hurman, Esq.,	5	1	0	500	...	40·55	185	146
D	Cheriton Bishop (Horslake) L. Collings-Wells, Esq.	5	3	6	500	33·3	41·31	204	149
D	Crediton (Okefield) Seymour F. Pope, Esq.	5	1	0	325	32·2	41·51	216	158
D	Copplestone (Copplestone House) Com. W. Pope, R.N., D.S.O.	5	0	9	315	34·4	43·89	221	177
D	*Silverton (Parsonage Lane) A. G. Smale, Esq.	5	7	6	300	...	39·15	197	172
D	Bradninch (Bowley Close) Miss H. R. Hepburn	5	1	0	300	34·0	43·46	200	167
D	CULLOMPTON Capt. N. T. Trezise, R.A.	5	1	0	202	35·3	44·78	213	176
D	Kentisbeare A. E. Painter, Esq.	5	1	0	304	37·1	41·81	204	167
D	Tiverton (Halberton) Miss M. G. Izat	5	1	6	300	40·8	42·05	208	157
D	Tiverton (Cowley Lodge) E. G. Peirce, Esq.	5	2	6	250	37·3	42·83	194	156
D	Cullompton (Uffculme) F. C. Doidge, Esq.	5	1	0	320	...	40·53	194	163
D	Tiverton (Bradleigh Down) Lt.-Col. G. V. Hotblack	5	1	0	700	...	54·84	213	177
M	Uffculme (Gills Farm) Rev. C. P. Ford	5	0	11	300	...	40·51	...	...
D	Culmstock (Woodgate Farm) T. Langdon Hine, Esq.	5	1	0	550	...	39·43	203	168
d	Hemyock Place N. J. Hitchings, Esq.	5	1	1	835	36·2	41·66	...	...
D	Morebath Manor Major F. R. Rothwell	5	1	0	600	44·3	53·84	203	176

* Exposure unorthodox.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SOUTH DEVONSHIRE—(contd.).									
7.—AXE & C. 237 sq. mi.									
D Budleigh Salterton (Braywick)	... E. Fisher, Esq. ...	5	1	0	120	...	32·30	154	119
D Budleigh Salterton	... R. Jones-Bateman, Esq. ...	5	1	0	370	...	36·28	211	138
W Budleigh Salterton (Squabmoor)	... Engineer, Exmouth U.D.C. ...	5	1	0	267	31·9	36·05	...	...
D Exmouth (Squabmoor)	... J. H. F. Foster, Esq. ...	5	1	0	450	...	38·40	189	133
D EAST BUDLEIGH (Bicton Old Rectory)	... Colonel O. M. Dyke ...	5	1	0	64	...	33·61	192	140
W East Budleigh (Yettington Intakes)	... Engineer, Exmouth U.D.C. ...	5	1	0	300	32·2	37·02	...	...
D East Budleigh (Bicton Gardens)	... W. L. McCaskie, Esq. ...	5	1	0	90	31·4	33·10	161	136
D SIDMOUTH	... Borough Surveyor ...	5	1	0	25	...	33·36	172	138
D Sidmouth (Loretto)	... S. Horsley, Esq. ...	5	1	6	115	...	35·96	181	145
D Beer (Windyridge)	... J. G. Sargent, Esq. ...	5	1	6	150	...	37·54	162	132
D Seaton (Marlipit Lane)	... H. S. Stewart, Esq. ...	5	1	0	150	...	41·58	191	156
D Seaton (Homermead)	... T. F. Tracy, Esq. ...	5	1	0	185	...	41·18	176	142
D Seaton (Millmead)	... Vice-Admiral Sir F. Pridham	5	0	8	35	...	37·95	183	140
D Lyme Regis (Pinhay)	... Ormsby Allhusen, Esq. ...	5	0	9	465	34·9	38·01	223	137
D Sidbury (Court House)	... V. C. Cave, Esq. ...	5	0	10	200	...	42·58	157	146
Sidbury Manor	... V. C. Cave, Esq. ...	5	1	5	350	...	42·95	...	...
D Colyton (Colyford)	... Mr. A. R. Forbes ...	5	1	0	100	...	43·93	190	153
D Ottery St. Mary (Broad Oak)	... Miss Tallant... ...	5	1	2	300	...	42·69	205	154
D Ottery St. Mary (The King's School)	... A. Crowther, Esq. M.A. ...	5	1	0	175	...	40·04	187	153
D Ottery St. Mary (Broad Street)	... W. D. Badcock, Esq. ...	5	1	0	170	36·3	42·79	179	152
D Seaton Junction...	... Express Dairy Co. Ltd. ...	5	1	7	114	...	43·72	190	142
D Axminster (Kilmington)	... Mrs. C. M. Saunders ...	8	1	6	210	...	37·48	...	138
D Axminster (Gamberlake House)	... Mrs. E. B. Bayley ...	5	1	6	120	...	42·55	186	142
D Hawkchurch (Castle House)	... A. H. Noble, Esq. ...	5	1	0	278	...	41·86	180	138
D Honiton (Feniton Court)	... Brig. P. B. E. Acland ...	8	0	10	235	36·4	40·69	209	165
D Honiton (Black Lion Hotel)	... R. Winterton, Esq. ...	5	1	0	400	...	46·16	192	152
D Membury (Yarty House)	... late Major W. H. Shoolbred- Wilkin ...	5	1	0	245	...	44·83	198	147
D Honiton (Cotleigh House)	... Major J. M. Salusbury- Trelawny, M.C. ...	5	1	3	540	...	49·08	233	171
D Stockland	... C. J. Clarke, Esq. ...	5	1	0	300	40·5	53·35	202	159
NORTH DEVONSHIRE. (Area, 898 sq. mi.)									
1.—NORTH COAST STREAMS. 77 sq. mi.									
D Ilfracombe (Reservoir)	... A. J. Westaway, Esq. ...	5	1	0	395	46·9	55·16	214	193
D ILFRACOMBE (Bowling Green)	... A. J. Westaway, Esq. ...	5	1	0	25	37·4	48·68	207	177
2.—TAW. 442 sq. mi.									
D Bow (Rosehill)	... Miss M. Pope ...	5	1	0	400	...	43·72	226	183
D Morchard Bishop Rectory	... Rev. H. J. A. Rushbridger ...	5	1	0	560	...	44·40	214	172
D Chulmleigh (Ashreigney Rectory)	... Rev. R. Y. Holmes ...	5	0	6	590	...	48·41	222	180
D East Anstey (Barton House)	... Mrs. M. Hancock ...	5	1	0	760	...	61·01	201	192
D Chittlehampton (Ridgedown)	... T. R. M. Cardus, Esq. ...	5	1	0	400	...	(48·36)	(217)	(108)
D East Anstey (Chiltons House)	... L. B. Akers, Esq. ...	5	2	6	950	...	63·33	243	208
D Bishops Tawton (Coddan Hill)	... E. F. Batten, Esq. ...	5	0	11	400	...	44·86	220	182
D Swimbridge (The Old Cider House)	... Capt. J. M. Brierley, M.B.E., T.D. ...	5	1	0	450	...	54·60	237	195
D West Buckland School...	... W. F. Dale, Esq., ...	5	1	0	650	...	61·60	217	192
D BARNSTAPLE (N. Devon Athenaeum)	... Librarian ...	8	1	0	25	...	39·00	209	169
D Barnstaple (Westaway)	... Major O. L. Trechmann ...	5	1	0	140	39·0	49·69	195	177
D CHIVENOR	... Meteorological Office ...	5	1	0	20	...	41·31	216	172
D Goodleigh (Chelfham Mill)	... Lt.-Cmdr. J. K. Elliot, R.N. ...	5	0	11	145	...	62·82	234	202
D Braunton (The Linhay)	... J. E. Gladstone, Esq. ...	5	1	0	70	...	46·98	222	186
D Challacombe	... A. J. Westaway, Esq. ...	5	1	0	851	62·8	79·83	246	217

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
NORTH DEVONSHIRE—(contd.).									
3.—TORRIDGE. 342 sq. mi.									
M Dartmoor (Newbridge) ...	S. R. Harry, Esq., for M.O.	5	1	0	1500	...	80·35	...	...
D Okehampton Waterworks ...	Borough Engineer ...	5	1	0	860	...	62·61	225	197
d Okehampton (Uplands) ...	Miss C. E. Burd ...	5	1	0	700	51·4	(64·20)	(240)	(198)
D Winkleigh (Places) ...	R. A. B. Coad, Esq. ...	5	4	0	500	...	44·94	210	177
D Torrington (Caynton House) ...	W. R. Hooper, Esq. ...	5	1	0	278	...	40·93	217	175
D Parkham (Melbury Reservoir) ...	A. Brewer, Esq. ...	5	1	0	515	54·6	63·81	225	205
D Bideford (Jennett's Res.) ...	Borough Surveyor ...	5	1	0	62	40·8	42·66	213	173
D Bideford (Gammaton Res.) ...	Borough Surveyor ...	5	1	0	350	...	42·00	205	172
D Northam (Windmill Lane) ...	S. Welsford Pain, Esq. ...	5	1	0	200	...	40·89	218	185
D Westward Ho! (Royal Golf Club) ...	Steward ...	5	1	6	10	34·4	36·11	192	169
4.—WEST COAST STREAMS. 32 sq. mi.									
d Hartland (Fosfelle) ...	R. H. Cook, Esq. ...	5	1	0	480	46·0	51·10	...	177
d Clovelly Court ...	Clovelly Estate Co. Ltd. ...	5	0	9	300	...	55·51	...	192
D HARTLAND POINT ...	Station Officer (M.O.) ...	5	1	0	299	...	41·71	213	180
5.—EXE. 5 sq. mi.									
CORNWALL. (Area, 1,363 sq. mi.)									
1.—CAMEL & N.W. COAST STREAMS. 458 sq. mi.									
D Crowan (Bošwyn Res.) ...	Camborne Water Co. ...	8	1	6	511	47·6	67·95	275	208
D Lelant (Tregilly) ...	Capt. D. M. Stuart, D.S.C. ...	5	1	0	70	...	51·23	243	191
D Hayle (St. Erth) ...	St. Erth Creamery ...	5	1	0	50	...	47·12	233	161
D St. Ives (Bussow Moor) ...	Borough Surveyor ...	5	1	0	390	48·6	51·30	238	184
D St. Agnes (Church Town) ...	Dr. W. C. Whitworth ...	5	1	0	318	...	50·09	239	182
D NEWQUAY (Mount Wise) No. 1 ...	U.D.C. ...	5	1	0	182	33·2	43·41	224	168
D St. EVAL Airfield ...	Meteorological Office ...	5	1	0	345	...	46·18	226	179
D Bodmin (Castle Hill House) ...	Major Hare ...	5	0	8	484	49·4	61·52	239	190
D Wadebridge (Trevanson) ...	Miss A. T. Skilbeck ...	5	1	2	200	...	51·25	251	202
D Padstow (Cross Street) ...	J. W. V. Sheldon, Esq. ...	5	1	0	80	...	47·71	220	181
d Trevone (Pentonwarra) ...	W. M. Lindley, Esq. ...	5	1	0	25	...	41·52	216	173
D Trebetherick (Pendalen) ...	A. Griffiths, Esq. ...	5	0	9	150	...	45·83	238	188
D Camelford (Stannon Clay Works) ...	English China Clays, Ltd. ...	8	1	6	850	54·8	75·66	251	219
D Camelford (Advent) ...	W. O. Martyn, Esq. ...	5	1	0	890	...	79·67	230	205
D Delabole ...	Delabole Slate Co., Ltd. ...	5	1	6	650	...	63·51	245	205
D Bossiney ...	Mrs. J. Stephens ...	5	1	0	290	...	48·56	227	192
D Boscastle (Welltown Manor) ...	Major A. L. Ashwell ...	5	1	0	300	...	53·58	219	198
D Marhamchurch (Widcote) ...	Rev. C. G. Montgomery ...	5	1	0	34	...	44·74	218	177
D BUDE (School House) ...	Urban District Council ...	5	1	0	50	33·4	42·36	222	179
2.—FOWEY & S.E. COAST STREAMS. 620 sq. mi.									
D THE LIZARD (C. Guard Stn.) ...	Station Officer (M.O.) ...	8	1	0	240	33·3	39·14	211	161
D Ruan Minor (Poltesco) ...	A. A. Ironside, Esq. ...	5	0	10	150	...	47·17	244	188
D Porthcurno ...	Cable & Wireless, Ltd. ...	5	1	0	180	36·2	43·26	197	158
Sithney (Tregathenen Res.) ...	Helston & Porthleven W. Co. ...	5	1	0	400	...	49·41	...	...
D Wendron (Boderwennack) ...	Helston & Porthleven W. Co. ...	5	1	0	458	...	55·19	236	189
D Penzance (Trewidden) ...	Mrs. C. Williams ...	5	1	0	275	43·2	57·42	198	181
d St. Michael's Mount ...	Lord St. Levan ...	...	...	...	50	...	42·80	...	...
D PENZANCE (Morrah Gardens) ...	Town Clerk ...	5	1	0	55	40·9	51·57	246	187

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
CORNWALL—(contd.).									
2.—FOWEY & S.E. COAST STREAMS—(contd.).									
D Penzance (Tregwainton House) ...	Col. E. H. W. Bolitho, C.B.	8	1	0	400	46.4	51.93	210	187
D GULVAL (Experimental Station) ...	Cornwall A.E.C.	5	1	0	54	41.5	44.94	228	179
D FALMOUTH OBSERVATORY ...	(+A) Royal Cornwall Poly. Soc.	5	1	0	167	43.6	51.31	223	197
D Penryn Reservoirs ...	Falmouth Corpn. W.W.	5	1	6	235	...	49.86	220	183
D Penryn (Ramecross) ...	W. G. Webb, Esq.	5	1	0	679	...	65.01	245	204
D St. Mawes (Lawn Bank) ...	J. Stanley-Verde, Esq.	5	1	0	100	...	45.26	221	174
D Devoran (Devoran House) ...	Rev. A. S. Rashleigh	5	1	0	50	...	52.05	227	179
D Gwennap (Trevince) ...	C. H. Beauchamp, Esq.	10	1	0	240	45.5	58.81	252	204
D Truro (Tregolls) ...	Miss A. M. Rashleigh	5	1	0	65	41.6	53.13	238	188
D Truro W.W. (Lower Tregurrow) ...	Manager	5	1	0	71	42.2	54.66	249	199
D Fowey ...	Town Clerk	5	1	0	51	...	48.08	207	178
D St. Austell (Poltair Public Gdns.) ...	Engineer & Surveyor	5	1	0	312	...	58.66	247	197
D St. Austell (Trethurgy) ...	Lantern China Clay Co., Ltd.	5	1	6	450	...	63.59	245	204
D Lerryn (Lucastes) ...	H. T. Curtis, Esq.	5	1	0	50	...	54.94	225	179
D Looe (Polperro Road) ...	C. S. Hooper, Esq.	5	1	3	410	...	52.10	262	184
D East Looe ...	W. D. Clague, Esq.	5	1	0	50	...	49.11	219	168
d Downterry (The Watch House) ...	G. S. Sneyd, Esq.	5	1	0	100	...	49.06	...	...
D Liskeard (Penmilder) ...	Miss D. P. Foster	5	1	0	260	...	60.30	233	187
D Liskeard (Treventon) ...	E. R. Foster, Esq.	5	1	0	360	47.7	64.40	247	211
3.—TAMAR & C. 279 sq. mi.									
D Newton Ferrers ...	Lady Diana Abdy	8	1	0	400	...	56.72	...	...
D §St. Mellion (ELLBRIDGE Exp. Stn.) ...	Horticultural Supt.	5	1	0	200	...	53.86	243	184
D St. Mellion (Pentillie Castle) ...	Capt. J. G. Coryton	5	1	0	150	...	57.50	228	183
D Launceston (Bastreet, North Hill) ...	S. E. Cornwall Water Bd.*	5	1	6	800	...	69.26	237	195
D Launceston (Landue) ...	Miss S. E. Tregoning	5	0	11	225	42.5	52.12	228	175
D North Tamerton (Davies) ...	W. S. Bray, Esq.	5	3	9	390	35.9	46.57	225	183
4.—INSULAR. Isles of Scilly. 6 sq. mi.									
D ST MARY'S (Coastguard Stn.)...	Coastguard Officer (M.O.)	8	1	3	163	31.9	41.11	243	172
D Tresco Abbey ...	Major A. A. Dorrien Smith	5	1	0	40	33.4	39.54	224	171
M Tresco (Rowesfield) ...	Major A. A. Dorrien Smith	8	1	0	40	...	39.42	...	...
SOMERSET. (Area, 1,624 sq. mi.)									
1.—LOWER AVON. 294 sq. mi.									
D Witham Friary (Gare Hill) ...	C. J. Smith, Esq.	5	1	3	600	...	48.23	218	172
D Shepton Mallet (Pondsmead) ...	Lady Hobhouse	8	1	0	710	44.9	53.86	214	173
D Frome W.W. (Egford) ...	B. H. Parkes, Esq.	8	2	0	270	35.8	43.53	206	151
D Binegar (Gurneyslade) ...	The Bursar	5	1	0	588	43.3	55.40	206	169
D Stratton-on-Fosse (Downside Abbey) ...	The Bursar	8	1	0	600	41.5	51.38	214	161
D Stratton-on-Fosse (Greystones) ...	R. Chivers, Esq.	5	1	0	650	...	50.80	208	165
D Orchardleigh Park ...	A. Duckworth, Esq.	8	1	3	303	32.8	42.69	180	141
D Radstock (Ammerdown House) ...	Mr. L. Sweeting	5	1	3	...	...	50.60	191	156
D Chewton Mendip (The Priory) ...	Earl Waldegrave	5	1	0	550	42.7	53.79	191	161
w East Harptree (Pitt Farm) ...	A. M. Paterson, Esq., C.E.	5	1	0	705	46.9	59.18	...	...
D Midsomer Norton (Dymboro) ...	Dr. A. Bulleid	5	3	0	350	35.8	46.43	181	156
D Litton (Sherborne Reservoir) ...	(+A) A. M. Paterson, Esq., C.E.	5	1	0	340	40.0	52.57	201	161
w Harptree Hill ...	A. M. Paterson, Esq., C.E.	5	1	0	784	43.9	55.96	...	...

* Per Cornwall Rainfall Association.

§ Turf wall round gauge.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SOMERSET—(contd.).									
1.—LOWER AVON—(contd.).									
D East Harptree (Harptree House)	... Lt.-Col. H. W. Kettlewell ...	5	0	8	345	43·7	54·92	214	172
W East Harptree (Harptree Court)	... A. M. Paterson, Esq., C.E.	5	1	0	300	39·9	51·85	...	...
D East Harptree (Townsend P.S.)	... Water Engineer ...	5	1	6	220	39·8	51·38	197	156
D Hinton Blewett Manor...	... H. S. Russell, Esq. ...	5	1	0	500	39·6	49·31	181	162
W North Widcombe ...	... A. M. Paterson, Esq., C.E.	5	1	0	215	36·0	48·23	...	...
W Chew Stoke (Heron's Green) ...	... A. M. Paterson, Esq., C.E.	5	1	0	179	36·2	49·86	...	...
D Pensford (Sutton Court) ...	... Lord Strachie ...	8	1	0	280	37·0	45·15	214	171
D Midford (Pumping Station) ...	... Combe Down W.W. Co., Ltd.	5	1	0	135	...	39·00	207	155
W Chew Stoke (Walley Court) ...	... A. M. Paterson, Esq., C.E.	5	1	0	202	35·5	46·64	...	...
W Ridgehill ...	... A. M. Paterson, Esq., C.E.	5	1	0	400	36·0	48·36	...	...
D Chew Magna ...	... A. M. Paterson, Esq., C.E.	5	1	0	180	36·3	42·37	199	158
W Winford (Upper Littleton) ...	... A. M. Paterson, Esq., C.E.	5	1	0	250	37·0	48·42	...	...
W Chew Magna (Norton) ...	... A. M. Paterson, Esq., C.E.	5	1	0	430	...	43·57	...	...
D BATH (Henrietta Park) ...	... Medical Officer of Health ...	5	1	0	67	30·3	35·59	179	148
D Bath (Southstoke Road) ...	... P. Hambleton, Esq. ...	5	1	0	525	...	38·78	199	151
D Bath (Monkton Combe) ...	... W. G. Lock, Esq. ...	5	1	0	450	30·3	33·76?	184	140
D Bath (Combe Lodge) ...	... Miss M. B. Clark ...	5	1	0	520	31·4	38·90	214	156
d Bath (Isolation Hospital) ...	... Medical Officer of Health ...	5	1	0	520	32·8	34·69	...	...
D Bath (Bathwick Grange) ...	... G. R. Marsh, Esq. ...	5	1	0	450	...	37·10	208	152
D Bath (Camden Road) ...	... P.A. Laycock, Esq. ...	5	1	0	252	...	37·44	194	147
D Bath (7, Bathwick Hill) ...	... Rev. Preb. A. B. Burney, M.A.	5	0	6	220	...	38·15	174	159
d Bath (37, Bathwick Hill) ...	... M. J. Lipscombe, Esq. ...	5	1	2	215	...	40·31	(169)	(146)
D Bath (Charlcombe) ...	... Bath Corporation W.W. ...	5	1	6	325	31·4	37·12	173	149
D Bath (Kingswood School) ...	... J. D. W. Melliush, Esq. ...	5	1	2	580	...	38·50	197	148
W Felton (Upper Town) ...	... A. M. Paterson, Esq., C.E.	5	1	0	550	38·2	47·25	...	...
D Bath (Hamilton Road) ...	... Miss J. Macnab ...	5	1	6	500	...	39·84	179	153
d Batheaston (Mumfords) ...	... G. Lipscomb, Esq. ...	5	1	2	200	...	38·21	...	...
D Batheaston Reservoir ...	... Bath Corporation W.W. ...	5	1	0	248	31·1	37·23	181	145
d Keynsham (Wellsway) ...	... A. E. Stephens, Esq. ...	8	1	0	134	...	31·53	(175)	(133)
D Keynsham (Somerdale) ...	... Messrs. J. S. Fry & Sons, Ltd.	5	1	0	58	29·4	35·75	189	143
D Barrow Gurney Reservoir ...	... A. M. Paterson, Esq., C.E.	5	1	0	300	34·4	43·53	181	159
D Lansdown ...	... Bath Corporation W.W. ...	5	1	0	380	...	40·53	186	152
D Long Ashton (School House) ...	... J. B. Randall, Esq. ...	5	1	0	161	...	45·08	202	163
D LONG ASHTON (Research Station) ...	... Director ...	8	1	0	162	34·1	43·77	203	160
D Failand House ...	... H. G. Tanner, Esq....	5	1	0	380	34·6	45·51	179	159
2.—YEO, AXE & BRUE. 405 sq. mi.									
D Bruton (Great Down Cottage) ...	... F. K. Makins, Esq....	5	1	0	280	...	37·59	193	150
D Bruton (South Brewham) ...	... G. E. May, Esq. ...	5	1	0	350	...	41·67	192	145
D Street (Low Level Reservoir) ...	... Surveyor (U.D.C.) ...	5	1	0	100	...	33·24	173	140
D Street (Hindhayes) ...	... Bancroft Clark, Esq. ...	5	1	6	78	28·8	32·59	199	137
D Street (Millfield) ...	... Bancroft Clark, Esq. ...	5	1	1	100	28·8	34·49	193	151
D Ashcott (Bradley Cottage) ...	... G. Thomson, Esq.*	5	1	0	114	...	32·71	187	146
D Glastonbury (Bere Lane) ...	... Mrs. Mee ...	5	0	8	100	...	36·25	213	159
D Edington... ..	... Major A. C. F. Luttrell ...	5	1	6	90	31·2	37·06	208	166
D Bridgwater (R.O.F.) ...	... The Superintendent ...	8	1	0	20	...	34·37	193	142
Cossington (Gold Corner) ...	... H. Leeming, Esq.* ...	5	1	0	12	...	30·66*	...	...
D Shepton Mallet (Charlton) ...	... C. E. Burnell, Esq., J.P. ...	5	1	0	481	38·8	45·52	223	158
D Shepton Mallet (Field House) ...	... Sir Frederick Berryman ...	5	1	0	500	38·6	47·90	202	168
D Shepton Mallet (Sewage Farm) ...	... Surveyor U.D.C. ...	5	1	3	350	38·7	43·83	169	156
D Highbridge (Bason Bridge) ...	... Wilts. United Dairies ...	5	1	0	17	...	34·89	178	144
d Wells (Wookey Hole Paper Mills) ...	... W. S. Hodgkinson & Co. ...	5	1	4	140	35·1	42·72	...	...
D Wookey Hole (Elm Batch) ...	... W. Speed, Esq. ...	5	0	10	238	36·1	45·88	192	166
D Burnham (Dunstan House) ...	... Miss A. E. Smith-Spark ...	5	1	0	20	29·1	37·34	196	151
D Burnham ... ..	... Surveyor ...	5	1	0	24	28·5	36·00	176	143

* Per Somerset River Board.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge		Average Rain-fall	1950					
				Diam	Height of Rim above Ground		Height of Ground above Sea Level	Rain fall	Days with .01 in. or more	Day with .04 in. or more		
SOMERSET—(contd.).				in.	ft.	in.	ft.	in.	in.			
2.—YEO, AXE & BRUE—(contd.).												
D	Burnham (Berrow Road)	...	Miss M. Robinson	...	5	1	0	10	29.2	36.37	185	145
D	Cheddar (Pumping Station)	...	A. M. Paterson, Esq., C.E.	...	5	1	0	50	33.6	43.44	191	155
W	Charterhouse	...	A. M. Paterson, Esq., C.E.	...	5	1	0	619	43.2	53.20	...	...
	Winscombe (Bleadon)	...	C. R Hutchings, Esq.*	...	5	1	0	25	...	38.99	...	...
D	Winscombe (Mendip View)	...	C. Gibbins, Esq.	...	5	1	0	100	...	42.45	198	157
M	Winscombe (Bore Hole)	...	Engineer & Surveyor	...	5	6	0	56	...	41.19	...	...
W	Compton Martin	...	A. M. Paterson, Esq., C.E.	...	5	1	0	276	39.2	53.79	...	...
d	Winscombe (Sidcot School)	...	The Headmaster	...	5	0	9	230	...	44.50	...	...
W	Ubley (Rookery Farm)	...	A. M. Paterson, Esq., C.E.	...	5	1	0	525	42.5	56.47	...	...
D	Winscombe (Wintrath)...	...	D. B. Grubb, Esq.	...	5	1	0	290	35.8	44.31	184	151
W	Blagdon Hill	...	A. M. Paterson, Esq., C.E.	...	5	1	0	550	40.6	53.82	...	...
D	Blagdon (Pumping Station)	...	A. M. Paterson, Esq., C.E.	...	5	1	0	112	37.0	48.28	188	157
W	Blagdon (Coombe Lodge)	...	A. M. Paterson, Esq., C.E.	...	5	1	0	388	39.6	52.35	...	...
W	Nempnett (West Town)	...	A. M. Paterson, Esq., C.E.	...	5	1	0	263	36.3	46.47	...	...
W	Burrington (Burrington Links)	...	A. M. Paterson, Esq., C.E.	...	5	1	0	335	38.1	49.66	...	...
D	WESTON-SUPER-MARE (Clarence Park)	...	A. M. Paterson, Esq. C.E.	...	5	1	0	28	29.9	40.24	179	149
D	WESTON-SUPER-MARE (Worlebury Park)	...	B.S.F. Messey, Esq.	...	5	1	0	386	...	43.74	188	146
W	Butcombe (Cholwell)	...	A. M. Paterson, Esq., C.E.	...	5	1	0	370	38.9	48.16	...	...
D	Yatton Pumping Station	...	Long Ashton, R.D.C.	...	5	0	10	18	...	41.19	177	147
D	Yatton (Chelvey)	...	A. M. Paterson, Esq., C.E.	...	5	1	0	60	32.5	42.96	194	158
D	West Town	...	Theodore Robinson, Esq.	...	5	2	0	80	31.9	42.37	200	158
D	Clevedon W.W. (Tickenham Rd.)	...	Cleveland Water Co.	...	5	1	6	50	31.2	39.76	188	149
D	Wraxall Court	...	Head Gardener	...	5	0	10	200	...	40.29	191	156
D	Walton-in-Gordano	...	Lt.-Col. Sir Chas. Miles, Bt.	...	5	0	9	80	...	39.44	229	153
D	Portbury (The Farm)	...	J. Giles, Esq.	...	5	1	0	20	...	41.33	152	148
D	Portishead (Bristol Road)	...	H. McLauchlan, Esq.	...	5	1	6	24	34.9	38.65	175	145
d	Portishead (Redcliffe Bay)	...	R. A. S. Heaven, Esq.	...	5	1	0	200	...	40.89	...	145
3.—PARRETT. 568 sq. mi.												
D	Chard (Fairlawn)	...	A. Austin, Esq.	...	5	1	0	373	...	42.41	201	147
D	Misterton	...	Miss M. D. Bindley	...	5	1	0	300	...	39.98	194	142
D	Crewkerne (The Reservoir)	...	Surveyor	...	8	1	0	426	33.7	37.85	172	123
D	Crewkerne (Bincombe House)	...	Major R. A. Russell, T.D.	...	5	1	8	293	34.7	36.85	173	139
D	Hardington Mandeville	...	L. Dawson Campbell, Esq.	...	5	1	0	400	...	43.70	186	149
D	Yeovil (Grass Royal School)	...	Headmaster	...	5	0	6	200	...	33.57	180	141
D	Yeovil (Pen Mill Sewage Works)	...	Senior Sanitary Inspector	...	5	1	0	102	30.6	37.23	168	151
	Yeovil (Summerleaze Park School)	...	F. R. G. Steer, Esq.	...	5	0	7	175	...	33.05	...	...
D	Angersleigh (Leigh Reservoir)	...	Taunton Waterworks	...	8	1	0	530	...	43.93	204	160
D	Bickenhall (Forest Drove)	...	A. H. Turner, Esq.	...	5	1	10	250	...	41.16	209	155
D	Wellington (Payton House)	...	Miss M. F. Mathias	...	5	0	11	230	...	40.33	201	162
D	Ashbrittle (Kyrle)	...	Major J. H. Mathias	...	5	0	9	525	...	44.97	233	170
D	Martock Vicarage	...	Prebendary G. W. Saunders	...	5	0	9	61	29.6	29.62	179	136
D	Wellington (West Buckland)	...	D. R. Chappell, Esq.	...	5	1	0	200	...	37.66	183	146
D	Rimpton (Pound House)	...	Miss A. A. Gegg	...	5	1	0	140	...	32.98	195	135
D	YEOVILTON Airfield	...	Naval Weather Service (M.O.)	...	5	0	11	58	...	30.31	163	129
D	Taunton (Vivary Park)...	...	Medical Officer of Health	...	5	1	0	71	29.5	32.35	192	145
D	Taunton (Ashley Road)	...	The Rt. Rev. Bishop R. D. Acland	...	5	1	0	60	...	34.92	184	159
	Queen Camel (England's Side)	...	Mrs. V. M. Brendon*	...	5	1	0	100	...	32.15	...	...
d	Taunton (St. George's Rectory)	...	Canon R. A. Iles	...	5	0	7	90	...	33.87	...	...
	Taunton	...	Miss M. G. Colthurst*	...	5	0	8	55	...	35.62	...	...
D	Milverton (Spring Grove)	...	J. O. Lloyd, Esq.	...	5	1	0	640	36.7	43.07	230	169
	Langport (Drayton)	...	E. Dabinett, Esq.*	...	5	1	0	46	...	32.57	...	...
D	Milverton (Rivers Farm)	...	A. Wimbush, Esq.	...	5	1	0	300	...	40.38	202	153

* Per Somerset River Board.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SOMERSET—(contd.).									
3.—PARRETT—(contd.).									
D Wiveliscombe (Culverhead) ...	Lt.-Col. H. Jefferys-Taylor	5	1	0	450	39.6	50.16	199	158
D Langport (The Grange) ...	Miss V. M. Page ...	5	1	6	50	...	31.38	181	143
D Langport (County School) ...	Headmaster ...	5	1	0	65	...	31.72	188	137
D North Cadbury ...	H. R. Watson, Esq. ...	5	1	0	250	...	39.24	207	160
D Somerton (Erleigh) ...	late R. W. Pretor-Pinney, Esq.*	5	1	0	106	27.8	34.39	...	...
D Wiveliscombe (Bulland Lodge) ...	Air V.-M. A. J. Capel, C.B.	5	1	1	790	...	51.60	225	173
D Bishop's Lydeard (Ash Priors) ...	H. Ross, Esq. ...	5	0	9	169	...	38.59	200	158
D Kingston St. Mary (Tarr Cottage) ...	Mrs. Shattock ...	5	1	0	275	...	37.60	193	157
D Bishop's Lydeard (Watts House) ...	Agent to Trustees ...	5	1	0	320	...	37.50	197	161
Babcary (The Cedars) ...	D. R. May, Esq.* ...	5	1	0	150	...	33.61	...	...
West Sedgemoor Pumping Stn.	Somerset River Board*	5	1	0	25	...	31.80	...	...
d Taunton (East Lyng) ...	J. T. Ames, Esq. ...	5	1	0	43	...	32.27	...	137
North Barrow (Orchards) ...	M. M. Tabor, Esq.*	5	1	0	170	...	33.67	...	...
D §Clatworthy (Whites Farm) ...	Taunton W.W. ...	5	1	0	823	...	54.50	230	180
M §Clatworthy (Whites Farm) ...	Taunton W.W. ...	5	1	0	823	...	54.32	...	...
M §Clatworthy (Stolford Farm) ...	Taunton W.W. ...	5	1	0	1090	...	57.35	...	...
M §Clatworthy (Sedgeborough Farm)	Taunton W.W. ...	5	1	0	1078	...	53.55	...	...
Castle Cary ...	W. Davis, Esq.*	5	1	0	290	...	39.12	...	...
D Bagborough (Littlecourt) ...	Lt-Gen. Sir Ed. Wetherall	5	0	10	450	...	44.10	211	161
D Bridgwater (Northmoor P.S.) (+A)	V. H. Bawdon, Esq.*	5	1	0	23	...	31.54	189	140
Bridgwater (Enmore) ...	Capt. H. H. Broadmead*	...	...	...	200	...	35.72	...	...
D Bridgwater (Durleigh) ...	R. A. Watson, Esq. ...	8	1	0	46	29.8	33.44	181	137
D Bridgwater (Blake Gardens) ...	R. A. Watson, Esq. ...	5	3	1	27	28.5	35.11	196	155
d Bridgwater (Wembdon Hill) ...	Mrs. M. L. Colthurst ...	5	1	0	110	...	32.05	175	146
D Bridgwater (Blacklands Street) ...	N. S. Bailey, Esq. ...	5	1	0	45	...	33.90	190	143
Bridgwater (Wembdon) ...	E. L. Kelting, Esq., C.E.*	5	1	6	47	...	33.28	...	...
d Over Stowey (Plainsfield) ...	Lord St. Audries ...	5	0	10	400	...	38.07	210	158
Spaxton (Dore House) ...	Dr. G. L. Lyon-Smith ...	5	0	9	176	...	39.28	...	...
d Over Stowey (Quantock San.) ...	Medical Superintendent ...	5	1	0	500	35.0	(41.35)	(179)	(148)
D Cannington (Ashford W.W.) ...	R. A. Watson, Esq. ...	5	1	1	102	31.4	38.65	175	154
D Over Stowey ...	H. L. Butt, Esq. ...	5	1	0	550	...	44.31	223	160
D Nether Stowey (Old House) ...	Lord St. Audries ...	5	1	9	250	...	41.89	198	158
D CANNINGTON (Somerset Farm Inst.)	Principal ...	5	1	0	95	...	35.14	196	150
D Bridgwater (Fiddington) ...	J. M. Lee, Esq.*	5	1	0	100	...	41.28	203	157
4.—NORTH COAST STREAMS. 158 sq. mi.									
Crowcombe (Rexton Gorse) ...	R. Cooper, Esq. ...	5	0	10	530	...	40.68	...	...
D Williton (Catwell) ...	F. S. Hayne, Esq. ...	5	1	0	75	...	38.45	188	152
Holford ...	E. L. Kelting, Esq.*	5	1	0	350	...	37.21	...	...
D Kilve Court ...	Mrs. Cooke-Hurle ...	5	1	0	150	30.0	37.60	188	152
D Kilve (Corner Close) ...	Major H. J. Cann ...	5	0	9	350	...	38.66	173	149
D East Quantoxhead (The Rectory)	Mrs. F. L. Aldridge ...	5	1	0	130	...	38.26	186	150
D Watchet (Chapel Cleeve) ...	G. S. Lysaght, Esq. ...	5	...	...	90	...	35.58	193	148
D Stogursey (Fairfield House) ...	Lord St. Audries ...	8	1	0	150	31.1	37.28	199	153
Bridgwater (Stockland Manor)	A. Dimes, Esq.*	5	1	0	90	...	36.55	...	...
D Carhampton (The Croft) ...	E. W. Darby, Esq. ...	5	1	0	100	...	42.48	210	170
D Dunster Castle Gardens ...	Mr. C. L. Baldwin ...	8	1	0	100	...	42.68	201	163
D Dunster (County School) ...	Headmaster ...	5	1	0	160	32.2	40.89	192	155
D Minehead (Dunkery Lodge) ...	Rev. E. P. Liddon ...	8	1	0	15	...	40.38	201	154
D Porlock (Hacketty Way) ...	H. K. Reeves, Esq. ...	5	1	0	200	...	46.99	181	158
D Stolford (Whitewick Farm) ...	C. Mackenzie, Esq. ...	5	0	9	25	...	33.74	198	147
D Minehead (Blenheim Gardens)	Engineer & Surveyor ...	5	1	0	37	33.4	37.62	191	150
D Minehead (Weirfield) ...	Canon A. G. Robinson ...	5	1	5	110	...	38.49	204	159
d West Porlock House ...	Mrs. G. Blathwayt ...	5	1	6	40	42.7	45.57	172	160
D Culborne (Lillycombe) ...	Miss Felicity MacDermot ...	5	1	0	1210	51.4	61.65	222	194

* Per Somerset River Board.

§ Turf wall round gauge.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain fall	1950		
		Diam.	Height of				Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SOMERSET—(contd.).									
5.—EXE. 122 sq. mi.									
d Brushford Nurseries ...	Mr. G. Ruff ...	5	1	0	450	43·8	55·63	...	194
D East Anstey (Dassels) ...	Major F. R. Farquhar ...	5	1	0	850	...	58·63	235	201
D Dulverton (C.E. School) ...	C. J. R. Weaver, Esq. ...	5	0	9	550	47·8	56·27	207	182
D Winsford ...	Capt. R. S. Le Bas ...	5	1	0	620	54·3	64·74	224	198
D Winsford (Howtown House) ...	W. H. Hawker, Esq. ...	5	1	6	700	...	63·89	229	198
D Exford (Lower Thorne) ...	Miss C. Reed ...	5	1	0	1000	...	75·89	233	205
D Simonsbath (Honeyhead) ...	Sir Robert Cohen, K.B.E. ...	5	1	0	1250	...	76·29	234	193
6.—AXE. 42 sq. mi.									
D Wayford Manor ...	H. L. P. Baker, Esq. ...	5	0	10	425	...	39·55	178	146
d Cricket St. Thomas ...	Mr. G. A. Wakefield ...	5	1	0	444	...	40·57	...	...
7.—STOUR. 35 sq. mi.									
D Church Stanton (Otterhead) ...	Water Engineer, Taunton ...	5	1	0	819	...	46·67	219	165
Henstridge ...	Mr. P. Parsons* ...	5	1	1	256	...	39·64	...	...
Temple Combe Rectory ...	The Rt. Rev. Bishop G. W. Wright*	5	1	4	250	34·9	42·39	...	...

DIVISION VI—WEST MIDLAND COUNTIES

GLOUCESTERSHIRE. (Area, 1,237 sq. mi.)

		in.	ft.	in.	ft.	in.	in.		
1.—WYE. 50 sq. mi.									
D St. Briavels (Wyeseide) ...	Major H. J. Le Mare ...	5	1	0	450	...	42·45	186	145
D St. Briavels (Woodlands) ...	F. J. Price-Jenkin, Esq. ...	5	0	9	250	...	39·06	160	139
D Redbrook Pumping Station ...	C. W. D. Ward, Esq. ...	5	1	0	225	...	36·42	181	139
D Forest of Dean (Reddings Lodge) ...	Forestry Commission ...	8	1	3	650	...	34·24	180	144
D Forest of Dean (Mailcot Lodge) ...	Forestry Commission ...	8	1	3	630	...	35·15	177	136
2.—SEVERN. Right Bank Tributaries. 185 sq. mi.									
D Forest of Dean (Blakeney Hill Lodge) ...	Forestry Commission ...	8	1	6	550	31·6	34·22	190	141
D Forest of Dean (PARKEND) ...	Forestry Commission ...	8	1	0	325	...	40·39	192	146
D §Coleford (Cannop Colliery) ...	Manager ...	5	1	0	330	...	38·86	189	145
D Forest of Dean (Serridge Lodge) ...	Forestry Commission ...	8	0	10	600	...	34·77	195	137
d Forest of Dean (Edgehills Lodge) ...	Forestry Commission ...	8	1	0	915	...	35·32	...	...
D Newent (Taynton) ...	M. Philips Price, Esq. ...	5	1	0	60	29·3	31·08	181	143
d Bromsberrow Heath Pumping Stn. ...	Malvern U.D.C. ...	5	1	0	181	26·2	29·36	...	126
D Tewkesbury (Forthampton Court) ...	Mr. B. Webster ...	5	1	0	48	26·9	27·97	170	130
D Tewkesbury (Upper Lode) ...	R. D. Adams, Esq. ...	5	0	8	41	25·2	28·24	185	136
3.—SEVERN. Left Bank Tributaries. 369 sq. mi.									
D Thornbury (Thornbury Park) ...	Capt. R. A. Bennett ...	5	1	3	70	32·2	40·55	174	143
D Alderley (Cordwales) ...	C. H. Ledward, Esq. ...	5	1	0	300	...	35·92	198	143
d Tortworth School ...	J. R. Organ Esq. ...	5	1	6	264	31·8	38·50	...	138
d Wotton-under-Edge (Bournstream) ...	Lt.-Col. B. S. Browne ...	5	1	8	300	...	37·92	185	142
D Berkeley Castle Gardens ...	Mr. T. B. Ashbee ...	5	1	6	60	29·1	36·42	178	142
D Dursley (Cam) ...	H. Thrower, Esq. ...	5	1	0	250	...	37·42	199	142
D Minchinhampton (The Shard) ...	E. H. Denne, Esq. ...	5	1	0	495	...	39·07	207	152
D Minchinhampton (Rectory Cottage) ...	F/Lt. G. W. Fisher ...	5	1	0	610	33·9	38·91	194	147
d Chalford W.W. ...	Stroud W.W. ...	5	2	0	220	...	38·25	...	148
d Frocester Manor ...	Capt. J. E. H. Graham-Clarke ...	5	1	0	80	...	34·04	...	...
D Stroud (Oakridge) ...	Hon. Sir Stafford Cripps, K.C. ...	5	1	0	550	...	39·37	211	162
D Stonehouse (Wycliffe College) ...	W. A. Sibly, Esq. ...	5	1	0	135	29·0	33·63	173	138
D Miserden Park ...	Agent ...	5	1	3	800	...	44·22	198	166
D Whitminster (The Junction) ...	E. Perry, Esq., C.E. ...	5	1	0	32	...	34·99	178	144
D Haresfield Court ...	G. B. Heywood, Esq. ...	5	1	0	100	30·2	36·14	192	152
D Painswick (Verlands) ...	Lady Sleeman ...	5	1	0	450	...	38·39	193	143

* Per Somerset River Board.

§ Turf wall round gauge.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
				Ground	Sea Level			or more	or more
		in.	ft.	in.	ft.	in.	in.		
GLOUCESTERSHIRE—(contd.).									
3.—SEVERN. Left Bank Tributaries—(contd.).									
D Harescombe Grange ...	Mrs. Stamford Hutton ...	5	1	0	557	29·3	36·28	182	144
D Cranham (Woodside) ...	J. H. Edwards, Esq. ...	5	1	5	650	...	34·35	195	143
D Witcombe Reservoir ...	J. H. Goodridge, Esq., C.E. ...	8	1	0	297	29·2	32·77	188	144
D Brockworth (The Kia) ...	Mrs. Grace Buckle ...	5	1	4	220	27·1	32·33	174	136
D Gloucester (The Lannett) ...	R. H. Ellis, Esq. ...	5	1	3	56	26·6	29·85	179	135
D Gloucester (Llanthony Lock) ...	R. D. Adams, Esq. ...	5	0	10	33	25·4	31·10	186	144
D Gloucester (Maisemore Lock) ...	R. D. Adams, Esq. ...	5	0	8	34	25·1	29·16	195	131
D Dowdeswell Reservoir ...	Chelt. & Glos. Water Bd. ...	5	1	3	357	30·0	34·96	181	146
D Cheltenham (Hewletts Res.) ...	Chelt. & Glos. Water Bd. ...	8	1	6	419	27·7	30·61	186	137
D Cheltenham (Sandford Mead) ...	Chelt. & Glos. Water Bd. ...	5	2	4	210	26·3	32·64	171	141
D CHELTENHAM (Montpellier Gdns.) (+A)	Town Clerk ...	5	1	0	214	26·5	29·74	179	134
4.—SEVERN. Upper Avon. 68 sq. mi.									
D Blockley (The Manor House) ...	Major H. F. Cox ...	5	1	0	450	29·4	33·34	195	145
D Tootington (Lydes) ...	A. G. Fyshe, Esq. ...	5	1	0	270	...	28·08	192	136
D Broadway (Buckland Manor) ...	Mr. J. Whiteley ...	5	1	0	300	27·7	30·07	...	135
D Chipping Campden (Leysbourne) ...	Miss C. Sparling ...	5	1	0	470	...	30·84	208	146
D Campden (Research Station) ...	Director ...	5	1	0	389	...	29·98	176	125
5.—LOWER AVON & C. 208 sq. mi.									
D Bitton (Willsbridge Nurseries) ...	G. E. A. Richards, Esq. ...	5	1	0	100	...	36·85	191	144
D Bath (Monkswood Reservoir) ...	Bath Corporation W.W. ...	5	1	0	365	...	42·55	202	156
D Bristol (Hopewell Hill) ...	W. Gloucester Water Co. ...	8	1	8	386	30·5	38·66	185	148
D Clifton (Oakfield Road) ...	A. M. Paterson, Esq., C.E. ...	5	1	0	200	33·0	41·36	182	156
D Bristol (St. Andrew's Park) ...	Miss O. M. Webb ...	5	1	2	200	32·6	42·75	200	156
D Bristol (Stoke Paddock Road) ...	Major E. J. Dunscombe ...	5	1	6	90	...	41·20	201	149
D Horfield ...	(+A) City Engineer, Bristol ...	5	1	0	248	...	38·72	181	147
D Henbury (The Ridgeway) ...	R. H. Gunn, Esq. ...	5	1	0	263	...	38·54	197	142
D FRAMPTON COTTERELL (Park Ho.) ...	H. H. Harding, Esq. ...	5	1	0	158	29·8	37·84	210	157
D Badminton Gardens ...	Headmaster ...	5	1	0	407	...	44·55	197	154
D Shipton Moyne Pumping Stn. ...	W. Gloucester Water Co. ...	5	1	0	312	...	36·83	203	145
6.—THAMES. Right Bank Tributaries. 17 sq. mi.									
7.—THAMES. Windrush & c. 340 sq. mi.									
D Fairford (Reeve, Kempford) ...	Major H. A. Northen ...	5	1	0	260	25·6	30·09	...	128
D Lechlade (St. John's Lock) ...	Thames Conservancy ...	5	1	7	237	24·3	29·68	189	126
D Lechlade (Claydon House) ...	Mrs. L. Metcalfe ...	5	1	0	250	25·9	28·58	167	124
D Fairford (Draycott) ...	Miss F. A. Edmonds ...	5	2	0	200	...	32·31	187	142
D Cirencester (Waterton House) ...	Alex McIntyre, Esq. ...	5	1	0	330	...	35·40	171	126
D Cirencester (Somerford Road) ...	Nigel Woods, Esq. ...	5	1	0	354	30·8	38·26	194	147
D Cirencester (Baunton W.W.) ...	(+A) Cirencester U.D.C. ...	5	1	0	396	...	37·94	192	149
D Daglingworth Manor ...	D. W. Harvey, Esq. ...	8	0	10	450	32·2	40·54	263	154
D Great Barrington ...	Mrs. R. E. Lazenby ...	5	1	6	417	28·8	31·12	...	...
D LITTLE RISSINGTON Airfield ...	(+A) Meteorological Office ...	5	1	0	731	29·4	33·93	182	137
HEREFORDSHIRE. (Area 840 sq. mi.)									
1.—WYE. 685 sq. mi.									
D Broad Oak (Glanmonnow House) ...	Brig.-Gen. T. R. F. Bate ...	5	0	10	500	...	33·72	217	144
D Llangarron (Tre Evan) ...	Col. C. R. B. Owen ...	5	1	0	256	...	32·22	166	130
D Walford (Hill Court Gardens) ...	Mrs. G. R. Trafford ...	5	1	1	126	28·4	29·47	167	132
D Ross-on-Wye (Hollington Lodge) ...	J. E. Burns, Esq. ...	5	1	0	200	...	30·00	167	126
D ROSS-ON-WYE ...	(+A) F. J. Parsons, Mus.Bac.(M.O.) ...	5	1	0	223	28·2	28·44	176	123
D Bridstow (Ashe Leigh) ...	Major W. Stanley R. Cox ...	5	1	6	220	27·4	29·53	178	130
D Ross (The Chantry) ...	M. F. Maclean, Esq. ...	5	1	0	475	...	30·83	187	137
D Perrystone Court ...	Lt.-Gen. Sir Sidney Clive ...	5	1	3	450	25·5	29·00	175	138

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
HEREFORDSHIRE—(contd.).									
1.—WYE—(contd.).									
D Much Dewchurch School ...	J. Holley, Esq.* ...	5	1	0	220	...	27.45	178	131
D Vowchurch (Ladywell House)...	A. S. Wood, Esq. ...	5	1	0	400	34.9	33.99	196	137
D Michaelchurch Escley (Llan Rosser) ...	J. M. Maddy, Esq.* ...	5	1	0	1125	...	39.51	171	143
D Hampton Bishop ...	late C. J. Langley, Esq.* ...	5	1	0	145	...	25.97	149	120
D Hereford (Breinton Court) ...	Mrs. R. E. H. Bailly ...	5	1	0	238	25.9	27.86	202	138
D †Hereford (Kings Acre Rd.) ...	A. C. Quinn, Esq. ...	5	1	0	216	...	26.44	174	131
D Hereford (Lichfield Avenue) ...	E. H. Morris, Esq. ...	5	1	6	200	...	25.21	169	129
D Hereford (Lugwardine) ...	Major O. G. S. Croft ...	5	0	9	300	...	29.41	191	137
D Tillington Fruit Farm ...	Co-op Wholesale Soc. Ltd. ...	5	4	6	270	...	27.14	181	137
D Burghill Hospital ...	Medical Superintendent ...	5	1	0	300	26.3	27.40	170	130
D Wellington (Yew Tree House) ...	Mrs. E. H. P. Jackson ...	5	1	0	185	...	28.46	195	135
D Weobley (Garnstone) ...	Lt.-Col. R. H. H. Verdin ...	5	1	2	442	...	28.23	180	128
D Sarnesfield Grange ...	Rev. W. Marshall ...	5	1	0	400	...	28.61	180	141
D Hope under Dinmore ...	Messrs. Cadbury Bros. Ltd. ...	5	1	0	246	27.4	28.60	175	127
D Pembridge (Moor Court) ...	Mrs. L. Benn ...	5	1	8	400	...	30.36	178	135
D Bromyard (The Down House) ...	Capt. L. R. Hibbert ...	5	1	1	485	...	28.07	175	135
D Lyonshall (The Croft) ...	Major J. R. Jones ...	5	1	0	474	...	33.17	201	152
D LYONSHALL (The Whittern) ...	R. H. Green, Esq. ...	5	1	0	508	...	34.43	174	146
D Kington (Hill Court) ...	J. E. Barendt, Esq. ...	5	0	9	595	...	38.23	181	161
D Monkland Cottage ...	Capt. N. J. Bengough ...	5	1	3	300	...	29.26	195	146
D Kimbolton (Grantsfield) ...	Miss D. W. Hutchinson ...	5	1	0	424	28.4	30.25	180	136
D Shobdon (Ty'n-y-Coed) ...	Miss Woodhouse ...	5	1	0	450	...	35.46	205	168
D Presteigne (Middlemoor) ...	A. M. Wilson, Esq. ...	8	1	0	480	34.0	34.69	221	156
2.—SEVERN. Right Bank Tributaries. 155 sq. mi.									
D Newent (Kilcot) ...	Forestry Commission ...	8	1	6	200	...	32.25	187	150
d Much Marcle (Hall Court) ...	Mrs. J. J. S. Powell ...	5	1	0	200	...	27.42	164	122
D Colwall (The Downs School) ...	F. M. Day, Esq. ...	5	1	0	500	...	29.63	170	130
d Cradley School ...	R. G. Hughes, Esq. ...	5	0	9	250	...	25.33	...	...
SHROPSHIRE. (Area, 1,343 sq. mi.)									
1.—MERSEY. Weaver. 27 sq. mi.									
D Adderley (Raven House) ...	Mrs. Edmond Browne ...	5	1	1	270	...	30.82	199	148
2.—DEE. 30 sq. mi.									
D Whitchurch (Fenns Bank) ...	F. W. Sanders, Esq. ...	8	1	0	271	27.1	32.07	194	153
3.—SEVERN. Right Bank Tributaries. 722 sq. mi.									
D Bucknell Vicarage ...	Rev. W. A. Woodhouse ...	5	1	0	480	...	33.02	186	152
d Ludlow (Hill Crest) ...	C. B. Marston, Esq. ...	5	1	6	350	...	31.08	...	...
D Bromfield (Oakly Park) ...	Head Gardener ...	5	1	5	300	29.7	32.02	186	150
M Cleobury Mortimer (Chilton) ...	Col. F. M. Tomkinson ...	5	1	0	410	...	31.90	...	...
D †Anchor (Kerry Forest) ...	Forestry Commission ...	5	0	10	1150	...	48.11	226	191
D Burwarton (Dingle Leys) ...	R. B. C. Edwards, Esq. ...	5	0	11	730	...	35.12	202	156
d Craven Arms (Westhope Cottage) ...	Lady Dyer ...	5	0	11	610	...	31.16	201	157
D Lydbury North (Totterton) ...	Major W. H. B. Whitaker ...	5	0	10	700	30.8	34.15	...	148
d Bishop's Castle (High School) ...	Headmaster ...	5	1	0	575	32.8	36.49	...	...
D Church Stretton (Sewage Works) ...	Surveyor U.D.C. ...	5	1	0	582	33.7	35.69	209	165
D Bridgnorth (Morville Hall) ...	Mrs. Bythell ...	5	1	0	320	...	26.90	184	133
D Chirbury (Marrington Hall) ...	Brig. C. S. Price-Davies ...	5	1	0	490	29.5	31.15?	192	160
d Church Stretton (Woolstaston) ...	Mrs. E. E. Parry ...	5	1	3	745	31.9	37.46	...	...
D Broseley (Boys School) ...	Headmaster ...	5	1	0	485	...	30.56	196	152
D Cressage (Harnage Grange) ...	E. W. Towler, Esq. ...	5	1	1	364	...	28.58	194	137

† Previously called Hereford (Barton Road).

* Per River Wye Catchment Board.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground above Sea Level		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.		ft.				in.	in.
SHROPSHIRE—(contd.).									
3.—SEVERN. Right Bank Tributaries—(contd.).									
D Worthen	Dr. D. M. Hunter	5	1	0	395	...	34·80	226	174
D Meole Brace Hall	J. B. Hoare, Esq.	5	1	0	250	...	26·02	189	154
D Shrewsbury (Longden Road)	Capt. J. Deedes	5	1	0	250	...	28·69	193	156
D Shrewsbury (St. John's Hill)	Atcham R.D.C.	5	1	0	253	...	25·24	183	134
D SHREWSBURY (Monkmoor)	Medical Officer of Health	8	1	0	184	24·7	27·84	203	157
4.—SEVERN. Left Bank Tributaries. 564 sq. mi.									
D Bridgnorth (Stanmore Hall)	The Hon. E. S. Hamilton- Russell	5	1	0	297	...	26·55	198	127
D Bridgnorth (Silverdale)	H. E. Trevor, Esq.	5	1	0	245	...	25·49	171	130
D Hilton (Pumping Station)	B. L. McMillan, Esq., C.E.	5	1	0	168	...	25·62	179	125
D Ackleton (The Folley)	H. J. Bath, Esq.	5	1	0	230	...	27·10	180	142
D Pattingham (Kingslow Hall)	R. Tildesley, Esq.	5	1	0	300	...	23·31	155	123
D Shifnal (Hatton Grange)	Head Gardener	5	1	6	262	26·1	26·53	170	141
D Shifnal (Cosford W.W.)	B. L. McMillan, Esq. C.E.	5	0	10	222	...	25·30	188	136
D Wellington W.W. (Wrekin Res.)	Surveyor	5	1	4	478	25·7	35·32	174	138
D Wellington (Wrekin College)	A. S. Wilson-Jones, Esq., M.A.	5	1	0	350	...	30·25	174	137
D Wellington (Allscott)	British Sugar Corp., Ltd.	5	0	9	200	...	29·23	161	113
D NEWPORT (Harper Adams Ag. Coll.)	Principal	5	1	0	211	24·8	25·92	213	138
D SHAWBURY Airfield	Meteorological Office	5	1	0	235	...	28·84	187	140
D Newport (Chetwynd Park)	J. G. B. Borough, Esq.	5	0	9	230	28·3	29·14	217	144
D Wem (Senior School)	Headmaster	5	0	9	260	...	30·23	190	141
D Oswestry (Llanyblodwel)	Major W. M. Dugdale	5	0	7	350	...	39·05	194	167
D OSWESTRY (Filter Beds)	late Lt.-Col. F. Hibbert, C.E.	5	1	0	568	...	37·81	206	167
D Oswestry (Llanforda Reservoir)	late Lt.-Col. F. Hibbert, C.E.	8	1	0	702	...	40·28	200	173
D Oswestry (Mount Reservoir)	J. E. Taylor, Esq., C.E.	5	1	0	698	34·5	38·72	213	169
D Oswestry (Cross Street)	J. R. Mackavoy, Esq.	5	1	0	398	...	38·39	214	166
D Oswestry (Llwyn Terrace)	(+A) J. E. Taylor, Esq., C.E.	5	1	0	430	...	37·21	199	163
D Ellesmere (Sheraton House)	C. Adam, Esq.	5	0	10	300	...	31·92	183	144
STAFFORDSHIRE. (Area, 1,166 sq. mi.)									
1.—MERSEY. Weaver. 50 sq. mi.									
D Madeley Vicarage	Rev. W. Garner*	5	1	0	350	...	34·38	189	148
D Biddulph Grange	The Secretary	5	1	0	560	33·8	37·58	178	156
2.—SEVERN. Left Bank Tributaries. 160 sq. mi.									
D Kinver	R. A. Robertson, Esq., C.E.	5	1	0	152	...	28·10	182	133
D Lye (Pumping Station)	G. P. Deeley, Esq.	5	1	0	245	...	27·91	155	133
D Kinver (Prestwood)	R. A. Robertson, Esq., C.E.	5	1	0	179	...	28·08	185	139
D Kingswinford (Ashwood P.S.)	R. A. Robertson, Esq., C.E.	5	1	0	207	24·9	27·80	178	134
D Wolverhampton (Dimmingsdale W.W.)	B. L. McMillan, Esq., C.E.	5	0	9	323	...	25·42	164	123
D Wolverhampton (West Park)	Dr. R. H. H. Jolly	5	1	0	430	27·1	28·55	196	145
D Tettenhall Waterworks	B. L. McMillan, Esq., C.E.	5	0	10	468	...	27·60	180	136
D Shifnal (Weston Park)	The Earl of Bradford	5	1	6	400	27·3	24·29	210	138
D Norbury Junction	British Railways	5	1	0	331	28·0	27·06	...	...
D MARKET DRAYTON (Ches. J. San.)	Medical Superintendent	5	1	0	581	...	33·44	178	142
D Maer Hall Gardens	A. E. Berisford, Esq.	5	1	0	390	32·5	40·22	174	158
3.—TRENT. Right Bank Tributaries. 513 sq. mi.									
D WEST BROMWICH (Nicholls Street)	H. E. Howle, Esq.	8	1	0	537	...	29·35	186	141
D Tividale (Sewage Disposal Works)	G. P. Deeley, Esq.	5	1	0	432	...	30·02	193	141
D West Bromwich (Dartmouth Park)(+A)	Borough Surveyor	8	1	7	543	26·2	27·86	164	134
D Tipton (Toll End Sewage Works)	Manager	5	1	0	400	...	28·36	198	135

* Per Cheshire Rivers Catchment Board.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950			
		Diam.	Height of		ft.		in.	Days with -01 in. or more	Days with -04 in. or more	
		in.	ft.	in.		ft.				in.
STAFFORDSHIRE—(contd.).										
3.—TRENT. Right Bank Tributaries.—(contd.).										
D	Wednesbury (Ocker Hill)	Docks & Inland Waterways	5	1	0	476	26·6	27·15	193	138
D	Walsall (Bescot Sewage Farm) ...	M. E. Habershon, Esq. ...	5	0	11	376	26·9	24·85	173	130
D	Darlaston (Sewage Works)	S. E. Hammonds, Esq. ...	8	1	6	393	...	25·75	166	132
D	Willenhall Sewage Works	Engineer & Surveyor ...	5	0	10	390	...	23·53	184	123
D	Bilston (The Lunt Outfall)	Works Manager ...	8	1	0	410	27·3	26·15	173	134
D	WALSALL (Dartmouth Avenue) ...	J. C. W. Day, Esq. ...	5	1	0	455	...	27·50	185	135
D	Aldridge (Bourne Vale)	R. A. Robertson, Esq., C.E.	5	1	0	419	25·1	26·10	181	128
D	OAKEN (Manor House)	A. J. Parkes, Esq., M.C. ...	5	1	1	409	...	25·76	175	142
D	Shenstone (Little Hay)	R. A. Robertson, Esq., C.E.	5	1	0	298	...	28·10	193	137
D	Bloxwich (Sneyd Reservoir) ...	Docks & Inland Waterways	5	1	0	507	25·5	24·82	166	123
D	Pelsall (Goscote Sewage Works) ...	M. E. Habershon, Esq. ...	5	1	0	435	...	26·59	167	132
D	Tamworth (Sewage Pumping Stn.) ...	K. Price, Esq. ...	8	0	10	182	...	24·84	193	133
D	Brownhills (Sandhills)	R. A. Robertson, Esq., C.E.	5	1	0	407	...	25·71	176	132
d	Brownhills	A. Wikeley, Esq., M.I.Mun.E	5	1	8	492	26·8	26·73	...	...
D	Chasetown	National Coal Board ...	5	0	11	508	...	25·07	142	117
D	Brewood (Slade Heath P.S.)	R. A. Robertson, Esq., C.E.	5	1	0	340	24·9	26·90	159	138
D	Hammerwich (Cannock Chase Res.) ...	Docks & Inland Waterways	5	1	0	475	25·3	26·89	201	139
D	Whittington (Old Hall)	Mr. E. J. L. Lockyer ...	5	1	3	221	...	23·54	169	118
D	†Cannock (Longford Rd. Sew. W.)(+A)	Cannock U.D.C. ...	5	1	0	400	...	22·82	167	127
D	Hednesford (Gentleshaw)	R. A. Robertson, Esq., C.E.	5	1	0	744	...	27·31	191	148
D	Brewood (Belvide Reservoir) ...	British Railways ...	5	1	0	367	...	28·18	212	136
D	Elford	W. H. Haile, Esq., C.E.	5	1	0	183	...	20·87?	148	113
D	†Hednesford (Scout House)	R. A. Robertson, Esq., C.E.	5	1	0	702	...	28·93	204	149
D	Hednesford (Pye Green)	R. A. Robertson, Esq., C.E.	5	1	0	768	...	28·07	195	148
D	Lichfield (Hanch Reservoir)	R. A. Robertson, Esq., C.E.	5	1	0	259	26·9	24·27	184	136
D	Alrewas (C. of E. School)	Headmaster ...	5	0	6	200	...	24·66	169	131
D	Rugeley (Slitting Mill)	R. A. Robertson, Esq., C.E.	5	1	0	299	...	26·41	190	142
D	Rugeley (Brindley Bank)	R. A. Robertson, Esq., C.E.	5	1	0	254	26·6	24·34	177	143
D	Milford Waterworks	G. J. Plant, Esq. ...	5	1	0	246	27·5	28·71	192	150
D	Stafford (Newport Road)	Dr. J. C. Burne ...	5	1	0	250	...	29·86	196	149
D	Stafford (Victoria Pleasure Ground) ...	G. J. Plant, Esq. ...	5	1	6	245	27·2	29·10	183	147
D	Yarlet Hall	K. E. Tarling, Esq. ...	5	1	0	405	...	29·31	193	138
D	Eccleshall (Sugnal Hall)	C. E. Lowe, Esq. ...	5	1	0	450	...	33·02	187	149
D	Standon (Hatton W.W.)	C. V. Brown, Esq., C.E. ...	5	1	0	355	29·0	30·92	174	141
d	Whitmore Pumping Station	British Railways ...	5	1	3	396	...	33·09	...	130
4.—TRENT. Left Bank Tributaries. 193 sq. mi.										
D	Hamstall Ridware (No. 1)	R. A. Robertson, Esq., C.E.	5	1	0	214	25·2	23·55	184	135
D	Hamstall Ridware (No. 2)	R. A. Robertson, Esq., C.E.	5	1	0	240	...	24·86	184	141
d	Mavesyn Ridware Rectory	Rev. W. F. Need ...	5	1	0	229	...	25·15	(176)	(135)
D	Burton-on-Trent (Stapenhill Rd.) ...	M. Matthews, Esq. ...	5	1	0	200	...	23·78	191	133
D	Burton Reservoir	R. A. Robertson, Esq., C.E.	5	1	0	309	25·1	22·66	172	127
D	Burton (Shobnall)	Messrs. Bass & Co., Ltd. ...	5	1	0	157	24·6	22·08	178	122
D	Burton-on-Trent (Outwoods)	R. A. Robertson, Esq., C.E.	5	1	0	310	...	25·15	186	133
D	Burton (Borough Hospital)	Medical Officer of Health ...	5	1	0	220	...	24·43	181	137
D	Blithfield Intake	R. A. Robertson, Esq., C.E.	5	1	0	273	...	27·11	200	146
D	Abbots Bromley (Port Fields) ...	R. A. Robertson, Esq., C.E.	5	1	0	316	28·2	25·36	183	145
M	Newton (Booth)	R. A. Robertson, Esq., C.E.	5	1	0	360	...	28·53	...	...
M	Kingston	R. A. Robertson, Esq., C.E.	5	1	0	420	...	27·27	...	...
M	Gratwich (Caverswall Farm)	R. A. Robertson, Esq., C.E.	5	1	0	381	29·8	30·93	...	...
M	Gratwich (Fradswell)	R. A. Robertson, Esq., C.E.	5	1	0	450	...	30·39	...	...
M	Leigh (Middleton Green)	R. A. Robertson, Esq., C.E.	5	1	0	597	31·8	33·18	...	...
M	Leigh (Lane Farm)	R. A. Robertson, Esq., C.E.	5	1	0	500	...	31·32	...	...
M	Fulford Manor	R. A. Robertson, Esq., C.E.	5	1	0	710	...	32·78	...	...
D	Draycott (Cresswell P.S.)	C. V. Brown, Esq., C.E. ...	5	1	0	538	...	36·17	196	155

† Turf wall round gauge.

‡ Per S. Staffs. W.W. Co.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			above	Ground	Sea Level			or	more
								more	more
STAFFORDSHIRE—(contd.).									
		in.	ft.	in.	t.	in.	in.		
4.—TRENT. Left Bank Tributaries—(contd.).									
D Longton (The Meir)	C. V. Brown, Esq., C.E. ...	5	1	0	617	31·7	36·77	172	146
M Caverswall (Hardwick Farm) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	810	...	34·61	...	...
M Longton (Hulme)	R. A. Robertson, Esq., C.E. ...	5	1	0	710	...	35·45	...	...
D Hanley Sewage Works	W. H. Makepeace, Esq. ...	5	1	0	386	...	33·02	177	146
D Werrington	R. A. Robertson, Esq., C.E. ...	5	1	0	860	...	36·21	190	146
D Werrington (Wallmires P.S.) ...	Cheadle R.D.C.	5	1	0	761	...	37·24	214	156
5.—TRENT. Dove. 250 sq. mi.									
D Uttoxeter	Messrs. C.H. Elkes & Sons, Ltd. ...	5	1	0	295	...	29·86	186	143
M Dilhorne (Richmoor Hill) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	919	...	37·83	...	...
D Leek (Wall Grange Pumping Stn.) ...	C. V. Brown, Esq., C.E. ...	5	1	0	456	...	37·32	184	152
D Leek (Longsdon)	S. K. Peacock, Esq. ...	5	1	0	650	...	36·96	193	155
d Leek (Moorhill)	Lt.-Col. G. J. Worthington ...	5	1	0	680	37·2	40·81	...	...
D Leek (Tittesworth)	C. V. Brown, Esq., C.E. ...	5	1	0	657	...	41·49	208	161
M Leek (Withens, Upper Hulme) ...	J. A. Gilchrist, Esq. ...	5	1	1	1084	39·0	38·06	...	...
WORCESTERSHIRE. (Area, 732 sq. mi.)									
1.—SEVERN. Right Bank Tributaries. 222 sq. mi.									
D Upton-on-Severn (Berryfield Ho.) ...	Dr. W. V. Naish	5	1	0	50	...	27·33	178	131
D Malvern (British Camp Res.) ...	Malvern U.D.C.	5	1	0	677	28·5	27·26	154	123
Malvern (Gloucester House) ...	Rev. F. H. Fowler, M.A. ...	5	1	4	400	...	28·89	...	...
D MALVERN (Free Library)	Malvern U.D.C.	5	1	0	380	27·6	30·17	176	146
D West Malvern	Malvern U.D.C.	5	1	0	832	28·9	27·54	177	139
D Worcester (Diglis Lock)	R. D. Adams, Esq.	5	0	7	49	24·7	25·84	159	122
d Shelsley Beauchamp	W. Lionel Moore, Esq. ...	5	0	9	132	...	27·93	158	137
D Ombersley (Holt Lock)	R. D. Adams, Esq.	5	1	1	55	25·3	23·15	165	126
Stourport (Astley Towne House) ...	F. J. Neale, Esq.	8	1	3	190	...	27·19	...	130
D Tenbury (Belle View)	Miss M. M. Lowe	5	1	0	315	26·3	28·87	178	133
2.—SEVERN. Left Bank Tributaries. 200 sq. mi.									
D Worcester (Waterworks)	City Engineer	5	1	0	52	23·2	25·84	171	125
D Worcester (Samuel Southall School) ...	Headmaster	5	1	0	147	...	25·55	171	124
D WORCESTER (PERDISWELL)	Horticultural Superintendent ...	5	1	0	94	...	24·65	164	125
D Worcester (Bevere Lock)	R. D. Adams, Esq.	5	1	1	52	24·5	22·21	158	121
D DROITWICH (Sewage Works)	Bor. Engineer & Surveyor ...	5	1	0	106	25·4	24·15	167	123
D Bromsgrove (Tardebigge Res.) ...	E. Perry, Esq.	5	1	0	455	27·5	32·36	195	139
D Bromsgrove (Sewage Disp. Wks.) ...	Bromsgrove U.D.C.	5	1	6	280	...	28·95	147?	137
D Bromsgrove (Burcot P.S.)	F. H. Bullock, Esq.	5	1	0	432	...	29·73	170	134
D Barnt Green (Linthurst Road) ...	Miss M. Gibbins	5	1	0	650	...	33·05	183	138
D Stourport (Lincombe Lock)	R. D. Adams, Esq.	5	1	0	62	25·6	27·13	161	130
D Bromsgrove (Washing Stocks P.S.) ...	F. H. Bullock, Esq.	5	1	0	366	...	29·31	180	134
D Bewdley (C.E. School)	J. Bates, Esq.	8	1	0	76	26·4	26·18	170	131
D Kidderminster (St. John's Avenue) ...	H. Hodgkinson, Esq. ...	5	1	0	250	...	26·74	162	134
D Kidderminster (Park Hall)	K. H. Wilson, Esq.	5	1	0	200	25·7	29·13	176	141
d Kidderminster (Wolverley Road) ...	R. D. M. Evers, Esq. ...	5	1	3	245	...	27·38	200	134
D Bewdley (Elan Aqueduct)	C. A. Risbridger, Esq., C.E. ...	5	1	0	91	26·7	29·14	190	148
D Clent Hall	Miss H. M. Wilson	5	1	0	600	...	31·16	195	139
D Wolverley (Hill House)	J. Christopher Wilson, Esq. ...	5	0	8	250	...	32·47	176	142
D Halesowen (Romsley)	R. A. Robertson, Esq., C.E. ...	5	1	0	616	30·6	34·07	172	131
D Halesowen (Hayley Green)	C. Roberts, Esq.	5	1	0	500	...	31·75	177	135
D Pedmore (Beckman Road)	A. Porter, Esq.	5	1	0	415	26·5	30·20	181	143
D Stourbridge (Pumping Station) ...	G. P. Deeley, Esq.	8	1	0	212	27·1	32·03	184	143
D Wollaston (Wood Street)	H. Little, Esq.	5	1	0	275	...	27·54	171	130

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge		Average Rain-fall	1950			
				Diam.	Height of		Rain-fall	Days with .01 in. or more	Days with .04 in. or more	
			Rim above Ground	Ground above Sea Level						
		in.	ft.	in.	ft.	in.	in.			
WORCESTERSHIRE—(contd.).										
2. SEVERN. Left Bank Tributaries—(contd.).										
D	Wollaston (Coalbourn P. S.) ...	J. S. Brown, Esq., M.I. Mun. E.	5	1	0	225	...	27.65	165	133
D	Netherton (Lodge Farm Res.) ...	Docks & Inland Waterways	5	1	0	445	...	29.29	168	137
d	Dudley (Bluecoat Sec. Mod. Sch.) ...	S. Wright, Esq.	5	1	3	660	...	32.33	...	...
3.—SEVERN. Upper Avon. 251 sq. mi.										
D	Bredon (Bredon House) ...	Col. M. F. Grant	5	1	1	120	24.5	28.16	186	137
D	Broadway (Farncombe) ...	G. Pemberton, Esq.	5	0	5	750	...	27.34	160	142
D	DEFFORD Airfield ...	(+A) Meteorological Office	5	1	0	56	...	25.54	177	120
D	Evesham (Bengeworth) ...	Messrs. Ross Bros., Ltd.	5	1	0	128	22.9	25.01	156	122
D	Evesham (Bretforton Manor) ...	H. Ashwin, Esq.	5	1	0	130	...	27.95	192	139
d	Evesham (Sewage Works) ...	H. Parks, Esq.	5	1	9	85	22.6	26.21	...	...
D	Evesham (High St.) ...	N. A. Field, Esq.	5	1	2	170	...	26.97	175	132
d	Evesham (Port Street) ...	Messrs. Craven & Co.	5	1	0	72	...	26.84	183	129
D	Pershore (Three Springs) ...	C. A. Mumford, Esq.	5	4	6	72	...	26.78	163	125
D	Crowle (Manor House) ...	Miss C. Moore	5	1	0	116	...	25.89	158	117
	Alcester (Cookhill) ...	T. Barber, Esq.	5	1	0	400	24.5	28.83	173	...
D	Redditch (Hewell Gardens) ...	Mr. F. Molyneux	5	1	0	469	27.7	32.39	195	143
D	Bromsgrove (Brockhill P.S.) ...	F. H. Bullock, Esq.	5	1	0	439	...	29.55	188	130
D	Bromsgrove (Lower Bittall Res.) ...	E. Perry, Esq.	5	1	0	457	...	33.31	186	142
4.—THAMES. Windrush & c. 3 sq. mi.										
5.—TRENT. Right Bank Tributaries. 56 sq. mi.										
D	Oldbury (Barnford Hill Park) ...	Borough Surveyor	5	0	9	607	...	31.94	176	147
D	Dudley (Tipton Road) ...	F. H. Gibbons, Esq., C.E.	8	1	0	490	...	29.27	185	140
D	Dudley (Shavers End) No. 1 ...	R. A. Robertson, Esq., C.E.	5	1	0	745	...	30.67	183	140
WARWICKSHIRE. (Area, 944 sq. mi.)										
1.—SEVERN. Upper Avon. 640 sq. mi.										
d	Long Compton (Weston Park) ...	Mrs. H. B. Warriner	8	1	0	510	26.5	29.48	...	135
D	SHIPSTON-ON-STOUR (Compton Scorp.)	A. W. Beecham, Esq.	5	1	0	364	...	28.16	184	130
D	Stratford-on-Avon (Milcote) ...	P. C. Smart, Esq., C.E.	5	1	6	122	23.6	28.21	163	124
D	Stratford-on-Avon (Thurlaston) ...	Miss M. A. Everard	5	1	0	135	24.2	27.82	190	131
D	Stratford-on-Avon (Wellesbourne Gv.)	G. A. Barton, Esq., F.R. Met.S.	5	1	0	131	...	27.58	199	119
D	Temple Grafton Court ...	T. L. Lonsdale, Esq.	8	1	3	270	24.8	27.97	169	133
D	Alcester (Surveyor's Office) ...	Alcester R.D.C.	8	1	6	140	...	26.22	149	129
D	Alcester (Arrowside) ...	J. B. Shewell, Esq.	5	1	4	148	...	25.90	171	130
D	Ashorne (Victoria Cottage) ...	G. T. Osborn, Esq.	5	1	0	160	24.7	26.57	167	131
D	Stratford-on-Avon (Snitterfield) ...	P. C. Smart, Esq., C.E.	5	1	6	274	25.2	26.67	169	122
D	Alcester (The Pleck) ...	Miss C. E. Chapman	5	0	10	250	...	26.53	166	123
D	Southam (Banbury Road) ...	C. W. Arkell, Esq.	5	0	10	250	...	26.47	168	121
D	Studley College ...	Headmistress	5	0	9	256	...	27.81	175	137
D	Warwick (Mill Street) ...	Mr. H. F. Smale	5	1	0	164	25.3	26.48	183	129
D	Warwick (St. Nicholas Park) ...	R. Wormell, Esq., C.E.	5	1	0	155	...	25.73	161	127
D	LEAMINGTON SPA (Pump Rm. Gdns.)	Medical Officer of Health	8	1	0	163	24.0	26.06	163	122
d	Warwick (Hatton) ...	Docks & Inland Waterways	5	1	0	400	...	27.95	...	...
D	Leamington Spa (Woodland Grange)	H. M. Blenkinsop, Esq.	8	1	0	200	...	26.27	172	128
	Dunchurch Hall ...	C. L. D. Fawcus, Esq.	5	1	1	400	...	23.57	153	118
D	Kenilworth (U.D.C. Offices) ...	Surveyor	5	1	6	286	...	28.22	171	129
D	Stretton-on-Dunsmore (Manor Ho.)	L. Lister-Kaye, Esq.	5	1	0	280	...	27.66	177	125
D	Rugby (Bilton Grange) ...	Mr. L. W. Bass	5	1	0	400	...	25.65	166	128
D	Rugby (Clifton Road) ...	R. H. W. Flower, Esq.	5	1	0	390	...	24.27	169	112
D	Rugby (Avon W.W.) ...	Borough Engineer	5	0	9	285	...	25.71	176	124
D	Ryton-on-Dunsmore (Ryton House) ...	Mrs. M. L. Browett	5	1	2	260	26.0	30.30	173	136

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
WARWICKSHIRE—(contd.).									
1.—SEVERN. Upper Avon—(contd.).									
D Coventry (Whitley Pumping Stn.)	... City Engineer, Coventry	8	1	0	238	...	24·79	176	123
D Coventry (Stoke)	... W. R. Griffiths, Esq.	5	1	0	267	...	25·36	150	113
D COVENTRY (City Hospital)	... Medical Officer of Health	8	1	0	241	26·0	24·82	178	117
D Coventry (Coundon Green)	... N. Graville, Esq.	8	1	0	420	...	27·22	175	139
D Nuneaton (Bedworth Waterworks)	... Waterworks Manager	5	1	1	346	...	27·48	176	137
d Astley Vicarage	... Rev. I. F. H. Carr-Gregg	5	1	0	440	...	28·61	150	128
2.—THAMES. Windrush & c. 2 sq. mi.									
3.—THAMES. Cherwell. 15 sq. mi.									
4.—TRENT. Right Bank Tributaries. 287 sq. mi.									
D Coventry (Balsall Common)	... W. F. E. Seeley, Esq.	5	1	8	380	...	28·00	170	129
D Highters Heath Res.	... C. A. Risbridger, Esq., C.E.	5	1	0	517	...	31·33	172	139
D Halesowen (Frankley)	... C. A. Risbridger, Esq., C.E.	5	0	10	571	30·7	31·64	182	142
D Northfield (Bartley Res. No. 1)	... C. A. Risbridger, Esq., C.E.	5	1	0	600	...	33·69	177	142
D Moseley (Cotton Lane)	... U. A. Baker, Esq.	5	1	0	500	...	30·71	192	137
D Bartley (Bromwich Wood)	... C. A. Risbridger, Esq., C.E.	5	1	0	611	...	34·13	177	144
D BIRMINGHAM (SPARKHILL)	... D. H. Owen, Esq.	5	1	0	425	28·1	29·54	176	137
D ELMDON (Birmingham Airport)	... Meteorological Office	5	0	11	324	...	27·79	170	126
D BIRMINGHAM (Edgbaston Obsy.)	... Birmingham Midland Trust	8	1	0	535	26·5	31·40	178	143
D Birmingham (Rotton Park)	... Docks & Inland Waterways	5	1	0	477	...	28·52	173	139
D Birmingham (Stechford)	... Birmingham Drainage Bd.	5	1	3	302	...	28·53	175	141
D Birmingham (HANDSWORTH)	... D. M. Evans, Esq.	5	1	0	469	...	29·01	182	140
D Birmingham (Saltley Sewage Works)	... Birmingham Drainage Bd.	5	1	0	292	...	27·92	170	138
D Nuneaton (The Quarry)	... Miss K. E. Smith	5	1	0	321	...	25·80	179	129
D Birmingham (Handsworth Park) (+A)	... City Engineer	8	1	4	424	...	29·12	186	142
D Whitacre (Birmingham W.W.)	... C. A. Risbridger, Esq., C.E.	5	1	0	269	26·0	26·45	183	126
D Whitacre (Station Road)	... T. C. Lycett, Esq.	5	1	0	233	...	26·43	163	123
D Birmingham (Erdington)	... C. A. Risbridger, Esq., C.E.	5	1	0	442	...	28·67	177	140
D B'gham (Erdington, Spring La.) (+A)	... City Engineer	8	1	0	386	...	29·01	183	138
D Minworth Greaves	... Birmingham Drainage Bd.	5	1	0	258	24·3	27·02	170	138
D Birmingham (Walsall Road)	... P. J. Harris, Esq., B.Sc.	5	1	0	450	...	28·95	186	139
D Nuneaton Pumping Station	... G. Ashton, Esq., C.E.	5	1	3	269	...	27·91	164	127
d Sutton Coldfield (Maney)	... J. S. Matthewman, Esq.	5	0	9	450	...	(29·28)	(191)	(143)
D Perry Barr Reservoir	... C. A. Risbridger, Esq., C.E.	5	1	0	515	...	29·06	183	139
d Sutton Coldfield (The Park)	... Borough Surveyor	5	1	0	370	26·4	28·17	170	135

DIVISION VII—NORTH MIDLAND COUNTIES

LEICESTERSHIRE. (Area, 824 sq. mi.)

1.—SEVERN. Upper Avon. 41 sq. mi.									
D South Kilworth (Stanford Res.)	... Borough Engineer	5	0	8	365	...	27·97	210	143
D Welford (The Reservoir)	... Docks & Inland Waterways	5	2	0	425	25·1	27·42	220	140
d North Kilworth W.W.	... Market Harborough U.D.C.	5	1	0	490	...	26·35	...	118
d Lutterworth (Waterworks)	... Surveyor	8	1	9	365	24·8	27·97	...	130
2.—WELLAND. 96 sq. mi.									
d Market Harboro' (Coventry Road)	... G. C. Wooldridge, Esq.	5	1	0	270	...	24·93	198	120
d Market Harboro' (Grammar Sch.)	... Headmaster	5	1	2	350	...	24·91	173	105
D Kibworth Harcourt	... Major A. E. Briggs	8	1	2	408	...	26·52	171	140
D Caldecott (Eye Brook Reservoir)	... Corby & District Water Co.	8	1	3	180	23·8	23·90	165	114

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		above		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
LEICESTERSHIRE—(contd.).									
3.—WITHAM. 7 sq. mi.									
4.—TRENT. Right Bank Tributaries. 680 sq. mi.									
D Frolesworth	W. P. Widdowson, Esq. ...	5	1	0	370	...	24·96	196	127
D Hinckley (Bowling Green Road) ...	S. Webster, Esq. ...	5	1	0	400	...	25·56	172	126
D Wistow Hall Gardens	The Lord Cottesloe, C.B. ...	5	1	0	309	23·6	26·60	184	129
D Countesthorpe (Wigston Sewage Fm.)	Surveyor	8	0	9	257	22·8	25·15	190	130
D Leicester (London Road)	L. Herbert, Esq.	5	1	0	300	...	25·13	151	120
D Leicester (Stoughton Drive North)	M. Murray, Esq.	5	1	0	240	...	23·52	167	124
D LEICESTER (General Hospital)	Steward	5	1	0	325	...	23·36	150	126
D *Leicester (De Montfort Square)	City Engineer	5	1	0	212	...	23·38	168	121
D Leicester (Woodville Road)	E. A. Bonser, Esq.	5	1	0	200	...	23·49	180	125
D †Leicester (Towers Hospital)	Management Committee ...	8	1	0	266	24·2	24·15	165	122
D Leicester (Gilroes Cemetery)	City Engineer	5	1	0	294	...	25·79	165	127
D Osbaston Hall	Sir Thomas Cope, Bart. ...	5	1	7	390	...	25·67	192	132
d Lowesby Hall Gardens	Head Gardener	5	0	9	517	26·3	26·10	...	116
D Thornton Reservoir	Leicester W.W.	8	1	2	370	26·2	24·75	161	121
D Cropston (Bradgate Res.)	Leicester W.W.	8	1	0	245	27·2	25·89	197	137
D Barkby Hall	Victor R. Pochin, Esq. ...	5	1	0	227	24·5	22·63	158	115
D Ulverscroft (Chitterman House)	C. Booth, Esq.	5	0	11	666	...	28·49	202	147
D Netherseal (Chilcote)	R. A. Robertson, Esq., C.E.	5	1	0	240	...	22·85	165	120
D Swithland Reservoir	Leicester W.W.	8	1	0	171	26·0	28·67	187	139
D Asfordby Hill (Ironworks)	Stanton Ironworks Co. Ltd.	5	1	1	324	23·0	21·94	186	119
D Melton Mowbray (White Lodge) ...	H. K. Barker, Esq....	8	1	6	237	22·9	23·17	160	120
D Charnwood Forest (Blackbrook Res.)	W. Granger, Esq., C.E. ...	5	1	0	379	26·4	27·24	176	141
D Loughborough (Nanpantan Res.)(+A)	W. Granger, Esq., C.E. ...	5	1	0	269	26·1	26·55	174	128
D Loughborough (Fairmount Drive) ...	B. N. Wale, Esq., B.Sc. ...	5	1	0	210	...	24·30	173	125
D Loughborough (The Widenings) ...	Mrs. Adeline Butler	5	1	0	197	24·5	27·29	196	144
D Loughborough (Sewage Farm)	W. Granger, Esq., C.E. ...	8	1	0	135	23·1	24·32	153	121
D Prestwold Hall Gardens	Mr. L. Brightwell	8	1	0	209	24·7	31·11	157	121
D Scalford	Melton Mowbray U.D.C. ...	8	0	10	343	...	26·30	...	...
D Waltham-on-the-Wolds	V. E. Higgins, Esq.	5	1	0	570	...	25·96	184	134
RUTLAND. Area, 152 sq. mi.)									
1.—WELLAND. 125 sq. mi.									
D Ketton	Mrs. K. Burroughes	5	1	0	106	...	25·31	203	129
d Oakham School	R. G. Henton, Esq.	5	1	0	320	...	24·31	171	119
2.—WITHAM. 5 sq. mi.									
3.—TRENT. Right Bank Tributaries 22 sq. mi.									
LINCOLNSHIRE. (Area, 2,645 sq. mi.)									
1.—NENE. 99 sq. mi.									
D Tydd (North Level Sluice)	Mr. S. Watson	5	1	0	10	23·3	29·07	205	139
d Sutton St. James (Clifton's Bridge)	S. Holland Drainage Board	5	1	0	8	...	23·40	165	133
D Sutton Bridge	S. Holland Drainage Bd ...	5	1	0	21	...	27·44	194	148
d Long Sutton (White House Farm) ...	A. H. Cooke, Esq.	5	1	0	10	...	24·12	...	113
D Spalding (Weston St. Mary)	S. Holland Drainage Bd. ...	5	1	0	10	...	20·94	142	109

* Gauge oversheltered.

† Formerly called City Mental Hospital.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground		above Sea Level				
		in.	ft.	in.	ft.	in.	in.		
LINCOLNSHIRE—(contd.).									
2.—WELLAND. 341 sq. mi.									
D Market Deeping (Wilsthorpe)	... F. J. Smith, Esq., M.B.E., C.E.	8	1	0	51	20.9	21.18	160	101
d Barholm	... W. Thurlby, Esq.	5	1	2	45	...	23.85	...	113
D Deeping St. Nicholas	... T. R. Pick, Esq.	5	0	9	13	...	24.83	132	110
D Spalding (Pode Hole)	... S. Holland Drainage Board.	8	1	3	12	23.5	24.12	202	120
D Spalding (Grammar School)	... Headmaster	5	1	0	15	...	23.17	175	109
D Bourne (Guthram)	... L. I. Clark, Esq., C.E.	5	1	0	3	21.1	23.90	164	116
D Holbeach (Manor Farm)	... F. H. Bowser, Esq.	5	2	1	10	...	24.94	154	122
D Holbeach (Willow Tree Farm)	... F. H. Bowser, Esq.	5	2	1	10	...	24.21	163	125
3.—WITHAM & C. 1,085 sq. mi.									
d Denton	... Culverthorpe Dairy Fm. Ltd.	5	1	6	300	...	24.82	...	115
d Billingborough	... N. Hodgkinson, Esq.	5	0	10	50	...	24.27	151	108
D Grantham (Saltersford Pump Stn.)	... Manager	5	0	6	188	24.1	25.06	169	137
D Kirkton	... W. Dennis & Sons, Ltd.	5	1	0	12	...	25.59	173	125
D Wyberton (Tytton Hall)	... L. I. Clark, Esq., C.E.	5	1	0	10	...	26.26	174	147
d Wyberton (Slippery Gowt Farm)	... J. T. Cannon, Esq.	5	1	6	10	...	23.92	...	...
D Boston (Black Sluice, Skirbeck)	... F. H. Tones, Esq.	8	1	3	11	22.8	25.81	188	137
D Boston (Cooks Lock)	... L. I. Clark, Esq., C.E.	5	1	7	11	...	25.10	187	134
D Boston (Church Road Pump. Stn.)	... Borough Surveyor	5	1	0	8	...	26.24	176	129
D Boston (Freiston Road)	... N. H. Middlebrook, Esq.	5	1	0	16	...	26.30	187	133
D Boston (Grand Sluice)	... F. H. Tones, Esq.	8	0	9	17	22.9	25.40	182	130
D Boston (Amber Hill)	... G. Graves, Esq.	5	1	0	...	...	23.65	172	122
D Boston (Sibsey Road)	... A. O. Scrivener, Esq.	8	1	6	9	...	23.85	156	130
D Boston (Cowbridge)	... G. E. Buchner, Esq., C.E.	5	1	0	9	...	24.85	177	126
d Old Leake (Leverton)	... G. E. Buchner, Esq., C.E.	5	1	3	10	...	25.48	...	...
D CRANWELL Airfield	(+A) Meteorological Office	8	1	0	203	23.2	23.92	172	117
d Ruskington	... B. E. Brighton, Esq.	5	1	7	30	...	21.48	...	...
d Sibsey (Ivydene)	... J. T. Allewell, Esq.	5	1	0	20	...	27.01	150	131
D Wildmore	... G. E. Buchner, Esq., C.E.	5	1	0	12	...	24.94	179	118
D New Leake (Lade Bank Engine)	... G. E. Buchner, Esq., C.E.	5	1	3	13	22.6	25.54	184	135
D Carrington Grange	... J. Ward, Esq.	5	4	0	15	23.4	28.72	155	140
d Wellington (The Gardens)	... A. Calder, Esq.	5	2	0	240	...	25.09	...	...
D Carlton-le-Moorland	... Mrs. J. Brocklebank	5	1	2	50	23.3	25.36	143	118
D Norton Disney (The Vicarage)	... Rev. R. K. Roper	5	1	0	49	...	24.17	151	117
D East Kirkby (East Kirkby Manor)	... Capt. R. S. Fieldsend	5	1	0	35	23.8	28.21	181	135
D Revesby Reservoir	... D. H. Ball, Esq.	5	2	0	124	24.5	30.61	155	131
D Woodhall Spa (Waterworks)	... Clerk to the Council	5	1	6	45	...	27.39	152	122
D Potterhanworth (Old Hall)	... T. H. N. Battle, Esq.	5	0	10	50	...	27.86	179	128
D Horncastle	... F. J. Harvey, Esq.	5	1	0	120	24.8	30.20	198	136
D Lincoln (Swallowbeck)	... W. R. Pennell, Esq.	8	1	0	34	22.9	25.82	173	116
D Bardney (Sugar Factory)	... British Sugar Corp., Ltd.	5	1	0	17	...	26.73	171	130
D Lincoln (Skellingthorpe Hall)	... Mrs. Bergne-Coupland	5	1	0	40	23.1	26.67	170	136
D Lincoln (Eastbourne Street)	... R. Osborne, Esq.	8	1	0	51	...	27.78	182	123
D Lincoln (Burton Road)	... G. W. Valley, Esq.	5	1	6	250	...	29.16	188	124
D Lincoln (Saxilby)	... J. Barnatt, Esq., C.E.	5	1	0	25	...	26.27	196	135
D Sudbrooke (The Manor House)	... Miss A. M. Scorer	5	1	0	55	...	25.75	162	119
D Hackthorn Hall	... Lt.-Col. W. Cracroft-Amcotts	5	4	10	102	23.2	32.45	206	146
4.—GREAT EAU & C. 443 sq. mi.									
d Eastville	... G. E. Buchner, Esq., C.E.	5	1	3	3	...	24.55	146	122
D Firsby	... G. E. Buchner, Esq., C.E.	5	1	0	26	...	26.15	184	134
D SKEGNESS (Marine Gardens)	... Surveyor	8	1	0	15	23.3	26.02	170	125
D Hagworthingham (Manor House)	... G. W. Clark, Esq.	5	1	0	200	27.2	30.98	181	124
D Spilsby (Fordington Water Works)	... D. H. Ball, Esq.	5	1	6	180	...	30.68	166	137
D Wold Newton Manor	... W. Maurice Wright, Esq.	5	1	6	230	27.2	33.20	205	150
D Grainthorpe County School	... Headmaster	5	1	0	9	...	27.40	201	138

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1949		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
LINCOLNSHIRE—(contd.).									
5.—HUMBER. Right Bank Tributaries. 428 sq. mi.									
D Glentham (Bishopbridge) ...	A. R. Haynes, Esq....	5	1	1	20	...	26·80	173	137
D Brigg (Scawby Hall) ...	Col. O. S. Neithorpe, C.B.E.	5	1	0	40	...	28·54	187	116
D Brigg (Sugar Factory) ...	British Sugar Corp. Ltd.	5	1	0	134	...	29·27	187	135
D Brigg (Wrawby Road) ...	A. R. Haynes, Esq....	5	1	1	22	24·8	28·88	184	132
D Cleethorpes (Outfall Pumping Stn.) ...	Engineer and Surveyor	8	1	0	25	...	25·93	162	129
D Cleethorpes (Sydney Park) ...	Borough Engineer	8	1	0	11	...	25·50	181	131
D CLEETHORPES (Kings Parade) ...	Engineer & Surveyor	5	1	0	23	24·0	28·12	195	134
D Grimsby (Little Coates Pump. Stn.) ...	Engineer & Manager	5	1	0	14	...	29·59	190	138
D Brocklesby Park ...	Head Gardener	5	1	9	50	27·0	29·27	190	132
D HABROUGH (Home Farm) ...	R. J. Blakeborough, Esq.	5	1	0	50	...	29·42	184	136
D Immingham (Compressor Stn.) ...	Grimsby R.D.C.	5	1	1	13	...	27·55	169	119
D Normanby ...	Major E. C. R. Sheffield	5	1	0	185	...	28·78	193	140
D Ferriby Sluice ...	K. Straw, Esq.	5	1	0	18	24·5	26·33	168	120
6.—TRENT. Right Bank Tributaries. 172 sq. mi.									
d Woolthorpe ...	Docks & Inland Waterways	5	1	3	182	23·4	24·08	...	120
D Torksey (Pumping Station) ...	H. Heath, Esq.	8	1	0	22	23·2	24·53	188	130
D Gate Burton Hall ...	Mr. J. Reader	5	4	0	97	23·1	24·64	161	131
7.—TRENT. Left Bank Tributaries. 77 sq. mi.									
D Wroot (S. Level Pumping Station) ...	W. H. Haile, Esq., C.E.	5	1	6	7	...	24·29	165	128
D West Butterwick (Croft House) ...	West Butterwick Drain. Bd.	5	...	...	20	...	27·66	172	140
d Crowle (N. Level Pumping Station) ...	W. H. Haile, Esq., C.E.	5	2	0	10	22·0	26·02	...	121
NOTTINGHAMSHIRE. (Area, 843 sq. mi.)									
1.—WITHAM. 10 sq. mi.									
2.—TRENT. Right Bank Tributaries. 218 sq. mi.									
D SUTTON BONNINGTON ...	Univ. of Nottingham, Sc. of Ag.	5	1	0	157	21·7	23·49	163	127
D Wysall (Wyn Hill) ...	J. D. Walker, Esq.	5	1	0	283	...	23·52	174	122
d Nottingham (Wilford Hill Res.) ...	B. W. Davies, Esq., C.E.	8	1	0	295	23·1	25·08	162	119
d West Bridgford ...	Engineer & Surveyor	5	1	0	80	...	25·43	...	...
D Newark (The Friary) ...	J. H. Clarke, Esq., C.E.	5	2	0	48	23·4	25·42	179	127
D Newark (Sewage Works) ...	J. H. Clarke, Esq., C.E.	5	1	0	33	...	21·62	159	108
d Kelham (Sugar Factory) ...	British Sugar Corp'n. Ltd.	5	1	0	40	...	20·96	...	93
3.—TRENT. Derwent. 2 sq. mi.									
4.—TRENT. Erewash. 42 sq. mi.									
D Nottingham (Strelley) ...	Miss Edge	8	1	0	396	26·2	27·01	182	133
D Nottingham (STRELLEY Hall) ...	Miss Edge	5	1	0	378	...	26·87	182	128
D Kimberley (Swingate Reservoir) ...	B. W. Davies, Esq., C.E.	8	1	0	448	...	25·84	174	132
D Eastwood Waterworks ...	B. W. Davies, Esq., C.E.	8	1	3	243	25·9	28·88	177	133
d Eastwood Hall ...	National Coal Board	5	0	6	218	...	30·17	...	...
D Eastwood (Moorgreen Res.) ...	Docks & Inland Waterways	5	2	0	301	27·4	30·25	159	124
5.—TRENT. Left Bank Tributaries. 569 sq. mi.									
d Beeston (Council Depot) ...	G. C. Hardy, Esq.	5	1	7	97	24·5	25·93	188	100
D Bramcote Reservoir ...	B. W. Davies, Esq., C.E.	8	1	0	327	...	24·44	175	125
D Nottingham (Sneinton P.S.) ...	(+A) R. M. Finch, Esq., C.E.	8	1	0	83	22·5	24·99	164	125
D *NOTTINGHAM (The Castle) ...	City Engineer & Surveyor	8	1	0	192	23·6	25·71	178	132
d Nottingham (Colwick Sugar Fact.) ...	British Sugar Corp'n. Ltd.	5	0	9	70	...	25·58	...	...

* Exposure unorthodox in certain directions.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
NOTTINGHAMSHIRE—(contd.).									
5.—TRENT. Left Bank Tributaries.—(contd.).									
D Nottingham (Colwick Hill Res.)	... B. W. Davies, Esq., C.E.	8	1	0	314	...	25.35	157	119
D Nottingham (Stoke Bardolph)	... R. M. Finch, Esq., C.E.	8	1	0	66	22.6	25.32	164	121
D Nottingham (Aspley) ...	... G. Cawkwell, Esq. ...	5	1	0	172	...	26.00	178	128
D Nottingham (Basford W.W.)	... B. W. Davies, Esq., C.E.	8	1	0	168	24.0	27.41	190	120
D Burton Joyce Waterworks	... B. W. Davies, Esq., C.E.	8	1	0	65	25.2	26.61	167	124
D Nottingham (Woodthorpe)	... A. B. Tinn, Esq., F.R.Met.S.	5	1	0	225	24.0	28.22	198	134
D Daybrook (Red Hill Reservoir)	... B. W. Davies, Esq., C.E.	8	1	0	404	25.7	26.59	207	131
D Daybrook (Ramsdale Hill Res.)	... B. W. Davies, Esq., C.E.	8	1	0	504	28.1	27.61	195	136
D Bulwell Hall Park	... R. M. Finch, Esq., C.E.	8	1	0	252	27.3	29.14	182	143
D WATNALL	... Meteorological Office	5	1	0	366	...	28.62	178	138
D Papplewick (Waterworks)	... B. W. Davies, Esq., C.E.	8	1	0	317	26.5	29.89	190	144
D Southwell (The Nurseries)	... H. Merryweather & Sons Ltd.	5	1	0	125	...	25.44	176	126
D Sutton-in-Ashfield (Rushley P.S.)	... P. W. Berridge, Esq.	5	1	0	462	27.1	32.59	166	140
D Sutton-in-Ashfield (Sewage Wks.) (+A)	... A. G. Dunks, Esq.	5	1	0	456	28.9	30.28	190	142
D Mansfield (Rainworth W.W.)	... Engineer & Manager	5	0	9	349	26.8	29.65	185	140
D Bilsthorpe (Rufford P.S.)	... B. W. Davies, Esq., C.E.	8	1	0	277	...	27.36	186	138
D MANSFIELD (Carr Bank)	... Borough Surveyor	8	0	10	357	27.9	27.56	171	130
D Clipstone Waterworks	... Engineer & Manager	5	0	0	225	24.9	25.16	175	127
D Ollerton (Boughton W.W.)	... B. W. Davies, Esq., C.E.	8	1	0	141	24.0	24.35	171	127
D Budby	... H. McAdoo, Esq.	8	2	0	160	...	24.39	173	128
D Tuxford (Lound Hall)	... Mr. C. W. Holliday	5	1	3	50	...	24.28	...	...
D Welbeck Abbey	... The Duke of Portland	8	1	0	196	...	25.53	196	133
D Elkesley Pumping Station	... Lincoln Waterworks	5	1	0	120	23.2	22.75	136	121
D Worksope (Bracebridge Sewage Wks.)	... Borough Engineer	8	1	0	97	23.9	25.63	187	131
D Worksope (Osberton Gardens)	... Capt. R. H. Walker	5	1	6	85	22.8	24.98	163	124
D Worksope (Sunnyside W.W.)	... C. O. Allsopp, Esq.	8	1	0	245	...	25.24	187	125
D Retford (Sir Frederick Milner School)	... Headmaster	8	3	6	55	...	23.04	152	113
D Retford (Sewage Disposal Wks.)	... Borough Surveyor	5	1	0	74	...	23.91	148	128
D Retford (Babworth Hall)	... Maj.-Gen. Sir John Whitaker	5	1	6	98	22.9	23.08	184	127
D Worksope (Wigthorpe Hill)	... R. C. P. Ramsden, Esq.	5	1	0	100	23.3	25.91	180	124
D Gringley Carr Pumping Stn.†	... G. H. Simmons, Esq.	5	1	0	21	...	24.89	201	125
6.—OUSE. Don. 2 sq. mi.									
DERBYSHIRE. (Area, 1,017 sq. mi.)									
1.—MERSEY. UPPER. 93 sq. mi.									
M §Buxton (Goyts Moss)	... Stockport Corporation W.W.	5	1	0	1410	51.1	54.04	...	...
M Buxton (Cat and Fiddle Inn)	... Stockport Corporation W.W.	5	1	0	1610	53.7	57.38	...	...
M §Buxton (Berry Clough)	... Stockport Corporation W.W.	5	1	0	1550	...	57.52	...	...
D §Buxton (Goytsclough)	... Stockport Corporation W.W.	5	1	0	1175	52.8	60.03	218	186
D §Buxton (Goytshead)	... Stockport Corporation W.W.	5	1	0	925	49.1	54.75	219	181
M §Buxton (Longhill)	... Stockport Corporation W.W.	5	1	0	1390	48.8	53.72	...	...
M Buxton (Embridge)	... Stockport Corporation W.W.	5	1	0	1430	48.9	54.87	...	...
D §Fernilee (Upper Hall)	... Stockport Corporation W.W.	5	1	0	940	44.9	48.03	217	178
D §Taxal (Oldfield)	... Stockport Corporation W.W.	5	1	0	820	45.4	49.44	218	173
M §Taxal (Blackhillgate)	... Stockport Corporation W.W.	5	1	0	1190	43.5	45.22	...	...
d Chapel-en-le-Frith (Ford Hall)	... F. E. G. Bagshawe, Esq.	5	0	5	900	...	42.83	...	...
D Chapel-en-le-Frith (Chinley)	... J. A. Simpson, Esq.	5	1	0	850	...	40.06	213	168
M §Hayfield (Dimpus Clough)	... Stockport Corporation W.W.	5	1	0	1250	46.9	44.75	...	...
M §Hayfield (Upper Sett)	... Stockport Corporation W.W.	5	1	0	1420	49.5	48.93	...	...
M §Hayfield (Oaken Clough)	... Stockport Corporation W.W.	5	1	0	1250	43.9	42.37	...	...
M §Hayfield (Tunstead Clough)	... Stockport Corporation W.W.	5	1	0	1125	43.3	42.31	...	...
M §Hayfield (Red Brook)	... Stockport Corporation W.W.	5	1	0	1950	56.8	52.62	...	...
M §Hayfield (Kinder Source)	... Stockport Corporation W.W.	5	1	0	2050	60.5	57.93	...	...

† Station formerly called Misterton (Soss P.S.).

§ Turf wall round gauge.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
DERBYSHIRE—(contd.).									
1.—MERSEY. Upper.—(contd.)									
D §Hayfield (Kinder Filters) ...	(+A) Stockport Corporation W.W.	5	1	0	800	45.5	47.60	220	182
M §Hayfield (Upper Moor) ...	Stockport Corporation W.W.	5	1	0	1280	49.0	49.45	...	...
D §Hayfield (Hollin Head) ...	Stockport Corporation W.W.	5	1	0	950	49.8	51.52	221	186
M §Hayfield (Middle Moor) ...	Stockport Corporation W.W.	5	1	0	1170	45.7	47.33	...	...
M §Hayfield (Sandy Heys) ...	Stockport Corporation W.W.	5	1	0	2040	56.7	60.02	...	...
M §Hayfield (Leygatehead Moor)...	Stockport Corporation W.W.	5	1	0	1530	46.3	48.20	...	...
M §Hayfield (Mill Hill) ...	Stockport Corporation W.W.	5	1	0	1625	47.0	50.66	...	...
D Glossop W.W. (Swineshaw) ...	Geo. Faulds, Esq., C.E. ...	5	3	0	733	43.2	48.32	216	174
M §Torside (Clough Edge) ...	Manchester Corp. W.W. ...	5	1	0	1452	50.9	56.56	...	...
M Bleaklow Hill (Dowstone Rocks) ...	Manchester Corp. W.W. ...	5	1	0	1718	...	63.25	...	...
M §Bleaklow Hill (Far Black Clough) ...	Manchester Corp. W.W. ...	5	1	0	1683	56.7	60.60	...	...
2.—MERSEY. Weaver. 2 sq. mi.									
w Buxton (Portobello Bar) ...	Borough Engineer ...	8	1	0	1600	55.9	56.59	...	...
3.—TRENT. Right Bank Tributaries. 68 sq. mi.									
d Church Gresley (Maurice Lea Park) ...	Swadlincote U.D.C. ...	5	1	0	400	...	26.13	...	140
D Stanton-by-Bridge W.W. ...	Long Eaton U.D.C. ...	8	1	2	144	24.2	25.51	190	134
4.—TRENT. Dove. 156 sq. mi.									
d Rodsley Pumping Station ...	Engineer ...	5	1	0	415	...	33.84	192	159
5.—TRENT. Left Bank Tributaries. 84 sq. mi.									
D Etwall (Blakeley Lodge) ...	C. H. Hawley, Esq. ...	5	1	4	189	24.1	25.41	152	136
D Etwall (Sewage Farm) ...	Boro. Engineer & Surveyor ...	5	1	8	201	25.2	25.48	180	136
D Mickleover (The Pastures Hospital) ...	Medical Superintendent ...	5	0	9	320	24.4	26.25	170	130
D Chesterfield (Whaley Well) ...	A. Boothman, Esq., C.E. ...	8	1	2	337	...	25.96	196	123
6.—TRENT. Derwent. 426 sq. mi.									
D Spondon (Derby Sewage Works) ...	Borough Engineer, Derby ...	5	1	3	135	25.5	24.09	171	132
D Derby (Park Grove) ...	Messrs J. Davis & Son, Ltd. ...	5	1	0	198	...	30.04	182	135
d Derby (Railway) ...	British Railways ...	5	1	0	156	25.1	26.67	...	...
D Derby (Royal Infirmary) ...	I. W. Owen, Esq. ...	5	1	0	211	26.3	27.86	214	136
D Derby (The Arboretum) ...	Borough Engineer ...	5	1	6	196	26.2	27.31	170	136
D Derby (Pear Tree School) ...	J. C. Hill, Esq. ...	5	0	11	200	...	27.35	...	...
D Derby (Markeaton Park) ...	Borough Engineer ...	5	1	6	190	...	29.65	189	140
D Breadsall Priory ...	E. S. Haslam, Esq. ...	5	1	6	370	...	28.30	163	140
D Duffield (The Kirkstyles) ...	Messrs J. Davis & Son, Ltd. ...	5	1	0	235	28.3	32.38	188	150
d BELPER (Herbert Strutt SCHOOL) ...	Headmaster ...	5	1	0	203	29.9	30.64	190	141
d Ambergate Reservoir ...	No. 61 Derwent Valley Water Bd. ...	5	1	0	680	...	34.53	...	...
D WIRKSWORTH (West End) ...	Alan D. G. Smith, Esq. ...	5	1	0	590	...	35.77	202	149
D Wirksworth (Wash Green) ...	Water Superintendent ...	5	1	0	738	...	33.71	180	148
D Whatstandwell (Meerbrook Sough) ...	Ilkeston & Heanor Water Bd. ...	5	1	0	246	33.6	33.48	180	140
D Bakewell (Ashford Road) ...	Miss P. M. Rhodes... ...	5	0	10	500	33.1	34.60	226	146
D Clay Cross (Press Reservoirs) ...	D. S. Cuthill, Esq. ...	8	1	0	810	31.7	30.86	172	145
D Chatsworth Gardens ...	Head Gardener ...	5	1	0	436	34.7	31.35	195	145
D Baslow (School Lane) ...	Mr. D. Lewis ...	5	1	6	425	34.5	31.91	189	144
D Buxton (Stanley Moor) ...	Borough Engineer ...	8	1	0	1340	52.1	53.32	239	187
w Buxton (Burbage Edge) ...	Borough Engineer ...	8	1	0	1400	52.8	54.38	...	...
D Buxton (Ashwood Dale S.W.) ...	Manager ...	5	3	0	1010	...	49.37	228	175
D BUXTON (Terrace Slopes) ...	Town Clerk ...	8	1	0	1007	48.4	50.59	219	173
D Bamford (Engineer's Office) ...	No. 60 Derwent Valley Water Bd....	8	1	0	509	37.8	39.09	213	162
D Bamford Filters ...	No. 70A Derwent Valley Water Bd....	8	1	0	660	39.1	36.92	222	155
D Holmesfield (Barbrook Res.) ...	D. S. Cuthill, Esq. ...	8	1	0	1080	35.6	30.45	218	152
M Holmesfield (White Edge) ...	Sheffield Corporation W.W. ...	5	1	0	1209	...	34.01	...	...
D Burbage (Lower Burbage) ...	(+A) Sheffield Corporation W.W. ...	8	1	0	924	36.2	32.74	236	151

§ Turf wall round gauge.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
DERBYSHIRE—(contd.).									
6.—TRENT. Derwent—(contd.)									
D Hope (Cement Works) ...	Messrs. G. & T. Earle Ltd.	5	1	0	580	...	39·41	201	164
d Hope (Killhill Bridge) ...	No. 56 Derwent Valley Water Bd.	5	0	9	565	40·4	(37·25)	(218)	(150)
M Mam Nick ...	No. 98 Derwent Valley Water Bd.	5	1	0	1368	...	49·14	...	...
M Dalehead ...	No. 97 Derwent Valley Water Bd.	5	1	0	1030	...	49·65	...	...
M Stanage (Redmires) ...	Sheffield Corporation W.W.	5	1	0	1395	41·7	38·14	...	...
d Bamford (Yorkshire Br. Weir) No. 59B	Derwent Valley Water Bd.	5	1	0	560	36·7	37·84	...	...
M Grain Clough ...	No. 96A Derwent Valley Water Bd.	5	1	0	999	...	47·35	...	...
d Edale Mill ...	No. 84 Derwent Valley Water Bd.	5	1	0	725	...	48·85	...	...
M Upper Booth ...	No. 85 Derwent Valley Water Bd.	5	1	0	950	...	48·73	...	...
M Jacob's Ladder ...	No. 96 Derwent Valley Water Bd.	5	1	0	1115	...	51·50	...	...
M Edale End ...	No. 83 Derwent Valley Water Bd.	5	1	0	632	...	44·00	...	...
M Grindslow ...	No. 94 Derwent Valley Water Bd.	5	1	0	940	...	54·25	...	...
M Crook Hill ...	No. 92 Derwent Valley Water Bd.	5	1	0	1100	...	44·10	...	...
M Ladybower ...	No. 73 Derwent Valley Water Bd.	5	1	0	985	...	42·13	...	...
W Grimbocar ...	No. 90 Derwent Valley Water Bd.	5	1	0	700	...	48·65	...	...
M Nether Moor ...	No. 93 Derwent Valley Water Bd.	5	1	0	1460	...	53·71	...	...
M Hagg Farm ...	No. 81 Derwent Valley Water Bd.	8	1	0	700	...	49·64	...	...
M §Blackden Brook ...	No. 89 Derwent Valley Water Bd.	5	1	0	1070	...	63·65	...	...
D River Ashop (Weir) ...	No. 80A Derwent Valley Water Bd.	5	1	0	795	...	56·46	218	184
D Fairholmes (Nursery) ...	No. 26A Derwent Valley Water Bd.	5	1	0	685	42·8	50·60	232	182
M Nether Seal Clough ...	No. 79B Derwent Valley Water Bd.	5	1	0	1320	...	66·71	...	...
M §Nether Red Clough ...	No. 78 Derwent Valley Water Bd.	5	1	0	1370	...	59·12	...	...
W Mill Brook ...	No. 91 Derwent Valley Water Bd.	5	1	0	770	...	46·81	...	...
M §Ashop Head ...	No. 43A Derwent Valley Water Bd.	5	1	0	1670	...	60·15	...	...
M Ouzleden Clough ...	No. 75 Derwent Valley Water Bd.	5	1	0	885	...	54·52	...	...
M §Urchin Clough ...	No. 88 Derwent Valley Water Bd.	5	1	0	1190	...	58·24	...	...
M Alport Moor (Alport Castles) ...	No. 82 Derwent Valley Water Bd.	5	1	0	975	...	55·71	...	...
W Derwent Dale (Birchinlee) ...	No. 23 Derwent Valley Water Bd.	8	1	0	890	50·3	50·05	...	...
M §Lady Clough Moor ...	No. 41B Derwent Valley Water Bd.	5	1	0	1720	...	62·27	...	...
M Featherbed Top ...	No. 77 Derwent Valley Water Bd.	5	1	0	1665	...	56·39	...	...
D Derwent Dale (Howden Dam) No. 17	Derwent Valley Water Bd.	8	1	0	845	47·7	48·29	245	176
W §Derwent Dale (Ridge Farm) No. 13A	Derwent Valley Water Bd.	5	1	0	883	52·4	57·23	...	...
M Westend Moor (Blacklow Cote) No. 15	Derwent Valley Water Bd.	5	1	0	970	51·3	54·64	...	...
M §Alport Moor ...	No. 38B Derwent Valley Water Bd.	5	1	0	1790	...	66·61	...	...
M Deep Grain ...	No. 74 Derwent Valley Water Bd.	5	1	0	1360	...	62·73	...	...
W Derwent Dale (Slippery Stones) No. 62	Derwent Valley Water Bd.	5	1	0	908	49·4	53·47	...	...
M Ronksley Moor ...	No. 86 Derwent Valley Water Bd.	5	1	0	1660	...	64·76	...	...
M Bleaklow Hill ...	No. 87 Derwent Valley Water Bd.	5	1	0	2050	...	62·67	...	...
M Broadhead Clough ...	No. 63 Derwent Valley Water Bd.	5	1	0	1010	52·8	56·15	...	...
M Barrow Clough ...	No. 71 Derwent Valley Water Bd.	5	1	0	1330	...	63·47	...	...
7.—TRENT. Erewash. 50 sq. mi.									
M Breaston (Doveridge) ...	F. Cresswell, Esq. ...	5	1	0	115	...	24·57	...	...
D Long Eaton (Town Hall) ...	Long Eaton U.D.C. ...	8	0	10	105	23·4	23·91	177	120
d Ilkeston (New Stanton) ...	Stanton Ironworks Co., Ltd.	5	1	0	150	25·2	24·83	...	...
D Ilkeston (Sewage Works) ...	Borough Surveyor ...	5	1	0	132	...	25·35	174	124
d Codnor Park ...	Docks & Inland Waterways	5	1	0	243	...	33·07	183	129
8.—OUSE. Don. 138 sq. mi.									
M Chesterfield (Hunger Hill) ...	A. Boothman, Esq., C.E. ...	5	1	0	643	...	32·34	...	...
D Chesterfield (Whispering Well) ...	A. Boothman, Esq., C.E. ...	5	1	0	575	32·5	31·46	198	143
D Chesterfield (Linacre Res.) ...	A. Boothman, Esq., C.E. ...	8	1	0	430	31·6	31·84	203	151
D Chesterfield (Upper Linacre Filters) ...	A. Boothman, Esq., C.E. ...	5	1	0	521	...	31·68	203	149
D Chesterfield (Sewage Works) ...	Manager ...	5	1	0	225	24·9	30·02	178	134
D Chesterfield (Crowhole Res.) ...	D. S. Cuthill, Esq. ...	5	1	0	605	31·1	30·07	180	148
Spinkhill (Mt. St. Mary's College) ...	Rev. F. Burton, S.J. ...	5	1	0	340	...	27·55	181	136

§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
		in.	ft.	in.	ft.	in.	in.		
CHESHIRE. (Area, 1,014 sq. mi.)									
1.—MERSEY. UPPER. 187 sq. mi.									
D Langley (Twelve Ashes) ...	J. H. Dossett, Esq. ...	6	0	9	903	...	46·25	210	171
D Langley (Trentabank Res.) ... (+A)	J. H. Dossett, Esq. ...	6	0	9	854	...	45·37	211	169
D Langley (Bottoms Res.) ...	J. H. Dossett, Esq. ...	6	0	9	659	38·5	41·31	195	165
D Macclesfield (Leadbeaters Res.) ...	J. H. Dossett, Esq. ...	5	0	9	579	...	37·39	210	164
D MACCLESFIELD (West Park) ...	J. H. Dossett, Esq. ...	5	1	0	500	34·1	40·99	219	171
D Rainow (The Clough) ...	Miss Anna Neave ...	5	1	3	815	34·4	40·58	211	158
D Nether Adderley ...	J. H. Shelmerdine, Esq. ...	5	0	7	337	...	35·71	188	159
D Prestbury (Sewage Works) ... (+A)	F. T. Hambleton, Esq.* ...	5	1	0	320	...	35·91	196	158
D Knutsford (The Sycamore) ...	H. P. Ashworth, Esq. ...	5	1	0	213	...	39·02	225	168
D Adlington (Styperson House) ... (+A)	E. Morton, Esq.** ...	5	1	0	500	...	34·49	201	161
D Disley (Lyme Park) (A) ...	Stockport Corporation W.W. ...	5	1	0	674	...	36·64	212	155
D Disley (Higher Stoneridge) ...	Stockport Corporation W.W. ...	5	1	0	750	...	37·57	212	168
D Runcorn (Weston Point) ...	Docks & Inland Waterways ...	8	1	3	30	31·3	32·44	185	150
D Appleton Reservoir ... (+A)	Warrington W.W. ...	5	1	0	120	...	34·32	211	150
D Moore (Uplands) ...	Lt.-Com. G. K. Rylands, R.N. ...	5	1	0	120	...	33·72	199	151
D RINGWAY (MANCHESTER Airport) (+A)	Meteorological Office ...	5	1	0	235	29·9	34·89	199	153
D High Lane (Light Alders Farm) ...	R. B. Melland, Esq. ...	5	1	3	675	...	36·28	199	159
D MELLOR ...	Dr. K. C. Roberts ...	5	1	0	728	...	33·53	215	153
D Altrincham (Norman's Place) ...	Miss G. A. Griffiths ...	5	1	0	150	...	36·09	201	152
D Dunham Massey (Sewage Works) (+A)	Bucklow R.D.C.* ...	5	1	0	55	...	33·90	201	166
D †Stockport (Cherry Tree Hospital) ...	Medical Officer of Health ...	5	1	3	280	...	33·55	194	143
D Stockport (Cheadle Heath S.W.) ...	Borough Surveyor ...	8	2	0	126	...	33·80	174	143
D Stockport (Bredbury Sewage Works) ...	Bredbury & Romiley U.D.C. ...	5	1	0	150	...	32·68	172	137
D Sale (Carrington Lane) ... (+A)	Mersey & Irwell Catcht. Bd. ...	5	1	0	72	...	36·14	200	160
D Sale (Sewage Works) ...	Manager ...	5	0	10	58	...	38·23	201	168
D Romiley (Greave) ...	F. Edwards, Esq. ...	5	1	0	510	...	41·35	219	178
D Godley Reservoir ...	Manchester Corp'n. W.W. ...	5	1	0	488	34·8	41·35	221	182
D Dukinfield (Higher Reservoir) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	435	...	40·05	195	173
D Arnfield Reservoir ... (+A)	Manchester Corp'n. W.W. ...	5	1	0	512	39·1	46·18	224	188
D Rhodes Wood Reservoir ...	Manchester Corp'n. W.W. ...	5	1	0	545	42·7	49·80	233	186
D Torside Reservoir ...	Manchester Corp'n. W.W. ...	5	1	0	669	...	50·69	241	187
D Stalybridge (Market Ground Yard.) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	373	...	43·75	209	181
D Stalybridge (Brushes Filter House) ...	M. T. B. Whitson, Esq., C.E. ...	8	1	6	615	39·2	48·30	208	187
W Higher Swineshaw ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	965	...	50·12	...	...
D Woodhead Reservoir ...	Manchester Corp'n. W.W. ...	5	1	0	665	48·3	52·15	242	190
§Arnfield Moor ...	Manchester Corp'n. W.W. ...	5	1	0	1290	...	56·55	...	...
§Crowden (Span Gutter) ...	Manchester Corp'n. W.W. ...	5	1	0	1530	...	(56·35)	...	...
§Pikenaze Moor (Audernshaw Clough) ...	Manchester Corp'n. W.W. ...	5	1	0	1148	...	55·00	...	...
§Woodhead (Pikenaze) ...	Manchester Corp'n. W.W. ...	5	1	0	926	...	49·97	...	...
§Swineshaw Moor (Boar Flat) No. 11 ...	Manchester Corp'n. W.W. ...	5	1	0	1190	48·6	56·37	...	...
§Westend Moor (Stonefold) ...	Manchester Corp'n. W.W. ...	5	1	0	1691	...	60·51	...	...
§Withens Moor (West Withens) No. 19 ...	Manchester Corp'n. W.W. ...	5	1	0	1382	...	66·15	...	...
§Long Ridge Moss (Near Broadslate) ...	Manchester Corp'n. W.W. ...	5	1	0	1663	...	74·08	...	...
§Longside Moss ... No. 26	Manchester Corp'n. W.W. ...	5	1	0	1418	59·8	62·50	...	...
§Grains Moss ...	Manchester Corp'n. W.W. ...	5	1	0	1573	...	64·03	...	...
2.—MERSEY. Weaver. 489 sq. mi.									
D Audlem (Newholme) ...	C. Coffin, Esq.* ...	5	1	0	220	...	33·24	191	145
D Wirswall Hall ...	Mrs. Illingworth ...	5	1	2	505	27·7	28·21	163	135
D Wybunbury (The Cliffe) ...	R. H. G. Tatton, Esq. ...	5	1	3	150	...	29·96	194	143
D Cholmondeley School ... (+A)	A. H. Munro, Esq.* ...	5	1	0	300	29·3	32·13	202	148
D Nantwich (Baddiley W.W.) ...	Mid & S.E. Cheshire W. Bd. ...	5	1	0	231	28·3	31·37	197	159
D Nantwich (Beam Bridge) ...	Nantwich U.D.C. ...	5	1	0	115	...	34·27	199	158
D Nantwich (Dorfold Hall) ...	Docks & Inland Waterways ...	8	1	0	190	28·8	31·44	185	151

§ Turf wall round gauge.

* Per Cheshire Rivers Catchment Bd.

** Per R. Mersey & Irwell Catchment Board.

† Formerly called Stockport (Isolation Hospital.)

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			above	Sea Level	Sea Level			or more	or more
		in.	ft.	in.	ft.	in.	in.		
CHESHIRE—(contd.).									
2.—MERSEY. Weaver—(contd.).									
D Nantwich (Reaseheath Hall) ...	Docks & Inland Waterways	8	1	0	130	29·1	30·70	202	149
D Crewe (Sewage Works) ...	L. Reeves, Esq., C.E. ...	5	1	0	125	...	33·38	205	154
D Crewe (Isolation Hospital) ...	Mid & S.E. Cheshire W. Bd.	5	1	4	181	28·2	33·32	205	158
D Sandbach Pumping Station ...	Mid. & S.E. Cheshire W. Bd.	5	...	...	210	...	33·24	183	151
D Tarporley (Tilstone Lodge) ...	Head Gardener ...	5	1	0	220	28·3	35·35	193	155
D Eaton (Pumping Station) ...	Mid & S.E. Cheshire W. Bd.	5	1	0	280	31·6	35·03	194	155
D § Congleton (Sewage Works) ...	(+A) Borough Surveyor ...	5	1	0	248	30·1	33·98	189	149
D Congleton (Buglawton Hall) ...	Docks & Inland Waterways	8	1	0	450	...	35·34	191	157
d Congleton (Eaton Hall) ...	Docks & Inland Waterways	8	0	9	400	...	34·12	...	147
D Bosley Reservoir ...	Cheshire Rivers Catch. Bd.	5	1	0	500	...	34·87	169	148
D Middlewich ...	I.C.I. (Alkali) Ltd. ...	5	1	0	138	...	32·49	211	149
D Tarporley (Sandyford Waterworks) ...	Mid. & S.E. Cheshire W. Bd.	8	1	0	247	32·0	35·90	215	163
D Cranage (Mental Institution) ...	Clerk & Steward† ...	5	1	0	170	28·2	30·46	192	148
D Delamere (Linnere) ...	Forestry Commission ...	8	0	9	250	31·7	34·92	202	162
d Cuddington (Merle Wood) ...	Sir Edwin Cooper Burgis, D.L.	5	1	0	200	...	35·45	163	146
D Northwich (Sandiway W.W.) ...	Mid & S.E. Cheshire W. Bd.	8	1	0	163	32·0	34·63	219	157
D Northwich (Weaverham Grange) ...	Mid. & S.E. Cheshire W. Bd.	5	1	0	151	...	35·23	194	158
D Northwich (Hunts Lock) ...	Docks & Inland Waterways	8	1	5	47	30·0	35·24	199	159
D NORTHWICH (WINNINGTON) ...	I.C.I. (Alkali) Ltd. ...	5	1	0	64	29·2	33·30	198	156
D Chelford (Kennel Bank) ...	A. M. Haworth, Esq. ...	5	1	0	263	...	35·49	195	156
D Chelford (Snelson House) ...	R. C. Walsh, Esq. ...	5	1	0	250	...	34·59	191	151
D Northwich (Lostock Gralam) ...	I.C.I. (Alkali) Ltd. ...	5	1	0	75	...	34·46	207	154
D Northwich (Marbury Road) ...	Charles Cooper, Esq. ...	5	1	0	96	...	30·67	193	152
3.—MERSEY. LOWER & C. 142 sq. mi.									
D Mouldsworth (Pumping Station) ...	West Cheshire Water Board	5	1	0	145	28·9	32·62	212	149
D Manley (Ravelstone) ...	Mrs. A. Haworth ...	5	1	0	300	31·9	34·20	217	155
D Foxhill (Pumping Station) ...	Warrington W.W. ...	5	1	0	155	30·2	32·13	180	150
D Hooton W.W. ...	West Cheshire Water Bd.	5	1	0	97	30·3	33·24	203	154
D Crosshill Reservoir, old g. ...	E. G. Hutson, Esq., C.E. ...	5	1	0	237	...	33·24	201	167
D Crosshill Reservoir, new g. ...	E. G. Hutson, Esq., C.E. ...	5	1	0	212	...	33·51	203	166
D Prenton Waterworks ...	West Cheshire Water Board	5	1	3	91	28·1	34·69	203	167
D Birkenhead (BIDSTON OBS'Y.) ...	(+A) Director ...	8	1	0	198	27·9	32·72	198	159
D WALLASEY (Harrison Park) ...	Medical Officer of Health ...	5	1	0	57	...	34·92	196	159
4.—DEE. 127 sq. mi.									
D Eaton Hall Gardens ...	Mr. G. Miller ...	5	1	3	62	26·9	32·76	209	150
D Rowton (Holly Bank) ...	J. H. Salmon, Esq. ...	5	1	5	213	27·3	29·72	182	150
D Chester (Sewage Disposal Wks.) ...	Engineer and Surveyor ...	5	0	6	16	26·1	28·08	178	134
D Chester (Waterworks) ...	Engineer ...	5	0	10	85	26·4	27·02	176	140
D WEST KIRBY (Park) ...	U.D.C., Hoylake ...	5	1	5	25	...	31·44	201	155
D West Kirby (Monk's Way) ...	Miss G. S. Kirkby ...	5	1	0	113	28·9	32·60	206	166
D WEST KIRBY (St. Andrew's Vicarage) ...	Rev. Canon E. F. Robson...	5	1	0	25	27·9	32·22	221	165
SOUTH LANCASHIRE. (Area, 700 sq. mi.)									
1.—ALT & C. 103 sq. mi.									
Liverpool (Mayfield Close) ...	Rev. C. Decker, F.R.Met.S.	5	2	0	95	...	42·69	...	...
D Prescott (Knowsley Hall) ...	Mr. G. E. Twinn ...	5	1	0	178	...	39·99	191	153
d Kirby (Estate Works) ...	F. East, Esq.* ...	5	1	0	48	...	40·39	235	175
D Crosby (Merchant Taylors' School) ...	H. Tunley, Esq. ...	5	0	8	20	...	32·40	195	148
D Formby (Ince Blundell) ...	Lancashire County Council†	5	1	0	36	...	39·37	250	180
d Ormskirk (Bickerstaffe P. Stn.) ...	N. B. Bennett, Esq., C.E. ...	5	0	8	128	33·2	42·17	209	169
d Ormskirk (Springfield P. Stn.) ...	N. B. Bennett, Esq., C.E. ...	5	1	1	69	33·1	41·48	199	163
d Formby (Hightown) ...	Lancashire County Council†	5	1	0	25	...	35·73	251	168
D Barton (Pump House) ...	M. McD. MacLeod, Esq. ...	5	1	0	11	...	35·08	198	159

* Per Lancs C.C. Land Drainage Engineer. † Per Land Drainage Engineer. ‡ Per Cheshire Rivers Catchment Board.
§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SOUTH LANCASHIRE—(contd.).									
2.—MERSEY. LOWER. 244 sq. mi.									
D SPEKE (Liverpool Airport) ... (+A)	Meteorological Office ...	5	1	0	81	...	32·82	204	151
D Garston Dépôt ...	Liverpool Corporation ...	5	1	0	81	30·7	36·00	210	160
D Halewood (Sewage Works) ...	Manager ...	5	1	4	30	...	36·72	215	158
D Widnes (Gas & Water Works) ...	Engineer and Manager ...	5	1	0	34	...	32·56	186	145
D Liverpool (Lark Lane) ...	Liverpool Corporation ...	5	9	1	90	...	34·35	216	160
D Liverpool (Smithdown Road) ...	Liverpool Corporation ...	5	1	0	135	31·7	37·92	217	157
D Cronton (Pex Hill, Old Res.) ...	Engineer and Manager ...	5	1	0	228	...	36·03	181	153
D Liverpool (Monument Place) ... (+A)	Liverpool Corporation ...	5	1	3	124	...	38·21	218	166
D Liverpool (Rathbone Road) ...	Liverpool Corporation ...	5	1	0	198	34·3	38·15	210	165
D Liverpool (Queens Drive) ...	Liverpool Corporation ...	5	1	0	119	33·3	41·46	193	165
D Warrington (Howley Yard) ...	Borough Surveyor ...	8	5	1	26	...	35·01	211	151
D Winwick Pumping Stn. ...	Warrington W.W. ...	5	1	0	115	...	37·29	200	162
Prescot ...	late Col. F. Hibbert, C.E. ...	5	1	0	282	...	38·28	...	...
D St. Helens (Eccleston Hill) ...	M. Ward, Esq., C.E. ...	12	1	0	265	33·6	37·86	210	164
D St. Helens (Victoria Park) ...	Medical Officer of Health ...	8	1	5	160	33·9	37·51	194	156
d Earlestown (Newton Cemetery) ...	T. Gibbs, Esq. ...	5	1	0	83	33·6	36·57	174	143
D St. Helens (Windle Hall) ...	W. H. Pilkington, Esq. ...	5	1	0	160	...	40·32	206	161
d Litherland (Hatton Hill Pk.) ...	G. W. Ponsford, Esq., C.E. ...	5	1	0	59	...	33·91	...	...
D Leigh (Sewage Works) ...	T. N. Cockroft, Esq., B.Sc. ...	8	3	0	67	32·6	40·54	174	149
D Rainford (Rookery Sewage Wks.) ...	Surveyor* ...	5	1	0	107	...	41·23	195	161
D Hindley (Platt Bridge Sewage Wks.) ...	Surveyor ...	8	0	10	91	...	43·63	207	172
D Atherton Cemetery ...	E. Rigby, Esq.* ...	5	1	0	165	...	46·53	206	177
3.—MERSEY. Irwell. 299 sq. mi.									
D Stretford (Longford Park) ...	Stretford U.D.C. ...	8	1	1	85	...	36·35	205	163
D Manchester (Hullard Park) ...	Stretford U.D.C. ...	8	1	1	100	32·4	39·12	199	162
D Manchester (Old Trafford) ...	Stretford U.D.C. ...	8	1	1	107	...	35·03	200	162
D Urmston (Sew. Wks. Davyhulme) ...	Manchester Cor. Rivers Dpt. ...	8	1	0	72	30·9	37·46	192	158
D Patricroft (Eccles Sewage Works) ...	Manager ...	5	1	0	71	30·3	38·53	184	154
D Salford (Weaste Sewage Wks.) ...	City Engineer ...	8	1	0	80	...	39·27	208	168
D MANCHESTER (WHITWORTH PARK) ...	Manchester University ...	8	1	0	125	31·7	38·56	195	164
D Ashton-u-Lyne (Knott Hill Res.) ...	M. T. B. Whitson, Esq., C.E. ...	8	1	0	605	...	47·21	250	185
D Prestwich Sewage Works ...	Manager ...	8	0	10	150	36·6	47·69	212	173
Prestwich Reservoir ...	Manchester Corp'n. W.W. ...	5	1	0	357	...	49·24	214	173
Prestwich (Heaton Park Res.) ...	Manchester Corp'n. W.W. ...	5	1	0	355	37·1	43·85	225	172
D Oldham Gas Works ...	C. Busfield, Esq. ...	5	5	9	602	39·0	50·55	230	199
D Bolton (Hacken Sewage Wks.) ...	The Manager ...	5	1	0	182	...	49·88	210	178
D Oldham (Brushes Clough) No. 3 ...	C. Busfield, Esq. ...	5	1	0	921	46·7	55·54	227	194
D BOLTON (Queen's Park) ... (+A)	Corporation ...	5	1	0	342	43·1	52·30	220	184
d Bolton (Bradshawgate) ...	Docks & Inland Waterways ...	5	1	0	299	...	51·16	...	...
D Bolton (Heaton Reservoir) ...	Bolton Corporation W.W. ...	5	1	0	500	43·5	53·23	233	185
Bolton W.W. (Harpers Farm) ...	Bolton Corporation W.W. ...	5	1	0	872	...	52·36	...	...
D Bolton (Smithhills Hall) ...	Corporation ...	5	1	0	510	46·1	56·16	203	183
D Bury (Sewage Works) ...	G. R. C. Marsden, Esq. ...	5	1	0	220	...	47·45	219	169
D Bury (Elton Reservoir) ...	Docks & Inland Waterways ...	5	1	0	294	...	45·99	227	182
D Bury (Greenhill Road) ...	R. Moore, Esq. ...	5	2	7	399	...	53·29	200	172
D Newhey (Sewage Works) ...	J. E. Gledhill, Esq. ...	8	1	0	513	41·6	51·94	204	193
D Milnrow (Butterworth Hall) ...	C. Busfield, Esq. ...	5	1	0	512	43·8	51·59	216	179
D Milnrow (Piethorne, Kitcliffe) ...	C. Busfield, Esq. ...	5	1	0	766	...	52·99	225	196
D Milnrow (Piethorne, Cold Greave) ...	C. Busfield, Esq. ...	5	1	0	832	46·3	51·56	225	185
D ROCHDALE (Roch Mills Sew. Wks.) ...	Borough Surveyor ...	5	1	0	363	44·5	47·95	216	183
D Rochdale (Lord Street) ...	Rochdale Corporation ...	5	4	6	407	...	49·86	217	176
D Rochdale (Ashworth Moor Res.) ...	Heywood & Middleton W.Bd. ...	5	1	2	956	...	53·99	230	191
D Bury (Gin Hall) ...	No. 2 Irwell Valley Water Bd. ...	5	1	0	475	44·5	55·86	222	182
D Bolton W.W. (Springs) ...	No. 2 Bolton Corporation W.W. ...	5	1	0	810	54·5	70·84	230	192

* Per Lancs C.C. Land Drainage Engineer.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			above	Sea Level	Sea Level			or more	or more
		in.	ft.	in.	ft.	in.	in.		
SOUTH LANCASHIRE—(contd.).									
3.—MERSEY. Irwell.—(contd.).									
Bolton W.W. (Eagley) ...	No. 4 Bolton Corporation W.W.	5	1	0	546	52·3	65·55	...	...
D Turton (Turton Tower) ...	Turton U.D.C.	5	1	0	584	...	60·11	216	187
M Bolton W.W. (Hordern) ...	Bolton Corporation W.W....	5	1	0	1160	53·6	68·05	...	...
D Bolton W.W. (Delph) ...	Bolton Corporation W.W....	5	1	0	710	53·6	66·70	232	191
M Bolton W.W. (Longworth) ...	Bolton Corporation W.W....	5	1	0	770	52·4	67·52	...	...
D Bolton W.W. (Wayoh) ...	No. 3 Bolton Corporation W.W....	5	1	0	608	51·6	63·60	221	185
§ Bolton W.W. (Holden's Farm) ...	Bolton Corporation W.W....	5	1	0	955	53·0	64·21	...	...
Bolton W.W. (Top-o'-th'-Brow) ...	Bolton Corporation W.W....	5	1	0	935	56·5	68·86	...	...
D Bolton W.W. (Entwistle) ...	Bolton Corporation W.W....	5	1	0	692	53·8	64·70	229	187
Bolton W.W. (Bromiley Heys) ...	Bolton Corporation W.W....	5	1	0	925	51·5	68·41	...	...
Bolton W.W. (Hulton Pasture) ...	Bolton Corporation W.W....	5	1	0	1090	49·7	67·25	...	...
§ Bolton W.W. (Moorsdie) ...	Bolton Corporation W.W....	5	1	0	850	50·2	56·87	...	...
Bolton W.W. (Clough) ...	Bolton Corporation W.W....	5	1	0	1150	55·4	67·17	...	...
Bolton W.W. (Cranberry Moss) ...	Bolton Corporation W.W....	5	1	0	982	53·7	64·65	...	...
Bolton W.W. (Slater Lane) ...	Bolton Corporation W.W....	5	1	0	985	51·8	71·06	...	...
Bolton W.W. (Brown Lowe) ...	Bolton Corporation W.W....	5	1	0	1200	53·8	65·76	...	...
Bolton W.W. (Longshoot) ...	Bolton Corporation W.W....	5	1	0	930	...	66·45	...	...
Bolton W.W. (Ugnow) ...	No. 2 Bolton Corporation W.W....	5	1	0	1090	51·1	63·16	...	...
D Rochdale (Hamer Pasture Res.) ...	Rochdale Corporation W.W.	5	1	0	760	48·6	57·97	210	184
D Rochdale (Naden Filters) ...	Heywood & Middleton W.Bd.	5	1	0	761	...	58·25	213	183
w Norden (Far Knowl Farm) ...	Heywood & Middleton W.Bd.	8	1	3	1000	47·2	63·21	...	...
D Littleborough (Longden End) ...	C. Busfield, Esq.	5	1	0	751	47·4	55·70	229	196
D Littleborough (Hollingworth Lake) ...	C. Busfield, Esq.	8	1	0	610	40·6	46·56	212	177
D Littleborough (Broadhead) ...	C. Busfield, Esq.	8	1	0	1337	...	45·62	235	188
D Littleborough (Blackstone Edge) ...	C. Busfield, Esq.	8	1	0	1268	45·0	52·60	235	192
D Littleborough (Upper Chelburn) ...	C. Busfield, Esq.	8	1	0	725	47·5	55·38	224	189
D Littleborough (Chelburn) ...	C. Busfield, Esq.	8	1	0	700	...	54·03	224	189
|| Ramsbottom (Killgate Brook) ...	Heywood & Middleton W.Bd.	5	1	0	978	...	60·18	...	...
d Ramsbottom ...	Docks & Inland Waterways	5	0	11	418	47·7	62·55	212	181
Ramsbottom (Cheesden Barn) ...	Heywood & Middleton W.Bd.	5	1	0	997	...	57·77	...	...
D Edenfield (New Hall Nurseries) ...	Irwell Valley Water Bd.	5	1	0	800	...	58·99	233	183
D Edenfield (Scout Moor Res.) ...	No. 2 Irwell Valley Water Board	5	1	0	1275	...	70·77	237	196
D Waterfoot (Cragg Reservoir) ...	Bacup Borough Council	5	1	0	1325	...	65·30	236	189
D Waterfoot (Cowpe Reservoir) ...	Bacup Borough Council	5	1	0	925	...	65·27	236	189
D Rochdale (Spring Mill Whitworth) ...	Rochdale Corporation	5	1	0	720	51·5	63·40	201	191
D Wardle (Watergrove Mill) ...	Rochdale Corporation	8	2	6	819	...	57·70	232	190
D Rochdale (Cowm, Whitworth) ...	Rochdale Corporation	5	1	0	762	51·5	68·09	211	194
D Helmshore (Musbury Valley) ...	Irwell Valley Water Bd.	5	1	0	750	...	63·97	211	191
D Haslingden (Holden Wood) ...	No. 1 Irwell Valley Water Bd.	5	1	0	670	52·1	66·19	215	190
D Haslingden (Holden Wood) ...	No. 2 Irwell Valley Water Bd.	5	1	0	670	51·4	66·16	216	192
D Haslingden (Calf Hey) ...	No. 1 Irwell Valley Water Bd.	5	1	0	800	50·9	67·77	216	194
D Haslingden (Ogden) ...	No. 1 Irwell Valley Water Bd.	5	1	0	740	...	63·72	216	192
D Haslingden (Ogden) ...	No. 2 Irwell Valley Water Bd.	5	1	0	740	...	65·15	216	193
D Bacup ...	Docks & Inland Waterways	5	1	0	875	47·1	59·04	211	189
d Haslingden ...	Docks & Inland Waterways	5	1	0	714	...	57·14	...	...
D Rawtenstall (Green Fold Res.) ...	(+A) Irwell Valley Water Board	5	1	0	1000	...	57·23	205	185
D Rawtenstall (Green Fold Res.) ...	No. 2 Irwell Valley Water Board	5	1	0	1025	...	54·27	205	181
D Rawtenstall (Cloughbottom) ...	No. 1 Irwell Valley Water Board	5	1	0	1025	47·4	56·80	222	179
D Rawtenstall (Clowbridge Res.) ...	No. 1 Irwell Valley Water Board	5	1	0	930	47·6	60·02	209	191
D Rawtenstall (Clowbridge Res.) ...	No. 2 Irwell Valley Water Board	5	1	0	930	51·6	62·58	209	191
4.—MERSEY. UPPER. 54 sq. mi.									
D Northenden Sewage Wks. ...	Manchester Cor. Rivers Dpt.	8	1	0	81	...	35·17	196	161
D Chorlton-cum-Hardy Sewage Works...	Manchester Cor. Rivers Dpt.	8	4	6	95	30·5	35·63	203	158
D Stretford (Sewage Farm) ...	Borough Engineer	8	1	1	65	...	37·89	195	157

|| Gauge overexposed.

§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
SOUTH LANCASHIRE—(contd.).									
		in.	ft.	in.	ft.	in.	in.		
4.—MERSEY. UPPER.—(contd.).									
D Denton (Sewage Works)	Denton U.D.C.	5	1	0	205	...	35·65	190	161
D Fallowfield (Platt Field Park)	City Engineer, Manchester	8	1	0	118	30·6	38·56	223	168
D Denton Reservoir	Manchester Corpn. W.W.	5	1	0	306	...	43·04	227	180
D Gorton Reservoir	Manchester Corpn. W.W.	5	1	0	263	...	44·23	217	104
D Ashton-u-Lyne (Henrietta St. Yard)	M. T. B. Whitson, Esq., C.E.	5	1	0	394	37·2	43·35	206	181
D Lower Swineshaw Reservoir	M. T. B. Whitson, Esq., C.E.	8	1	0	886	43·6	48·69	210	192
w Swineshaw Moor	M. T. B. Whitson, Esq., C.E.	5	1	0	1340	...	50·84	...	...
CENTRAL LANCASHIRE. (Area, 536 sq. mi.)									
1.—RIBBLE & C. 326 sq. mi.									
M Rivington (Tockholes)	late Col. F. Hibbert, C.E. ...	5	1	0	970	...	65·19	...	...
M Roddlesworth	late Col. F. Hibbert, C.E. ...	5	1	0	725	...	58·62	...	...
D Darwen (Sunnyhurst Hey Res.)	Borough & Water Engineer	8	1	5	915	49·5	64·31	225	192
D Darwen (Earnsdale Reservoir)	Borough & Water Engineer	8	1	0	705	47·4	65·02	225	192
D DARWEN (Bold Venture Park)	Medical Officer of Health ...	8	1	1	724	50·1	64·32	231	198
D Darwen (Hoddlesden)	No. 1 G. McKay, Esq., C.E. ...	8	1	6	680	49·1	64·27	246	201
D §Darwen (Daisy Green)	No. 1 G. McKay, Esq., C.E. ...	8	1	6	969	...	63·37	248	203
D §Darwen (Pickup Bank)	No. 2 G. McKay, Esq., C.E. ...	8	1	6	727	...	59·45	249	201
D Brindle (Whiteholme)	Miss W. M. Gatty ...	5	1	8	315	39·3	45·01	200	164
D Haslingden (Mitchell's House Res.)	R. Jackson, Esq., B.Sc. ...	5	1	6	950	45·0	54·87	222	189
D Blackburn (Guide Reservoir)	G. McKay, Esq., C.E. ...	8	1	6	610	44·9	51·10	223	179
D Blackburn (Witton)	G. McKay, Esq., C.E. ...	8	1	6	315	42·0	47·98	213	171
D HUTTON (Lancs C.C. Hort. Station)	County Inst. of Agriculture	5	1	0	82	35·2	44·77	186	176
D Accrington (Oak Hill Park)	(+A) Borough Engineer ...	5	1	0	645	...	53·61	216	180
D Accrington (Coppo Clough S.W.) (+A)	Borough Engineer ...	5	1	0	386	...	50·11	209	184
D PRESTON (Moor Park)	(+A) Jeremiah Horrocks Obsy. ...	8	1	0	110	35·3	46·04	225	170
D Samlesbury Sewage Works	G. McKay, Esq., C.E. ...	8	1	6	240	36·9	44·83	210	178
D SQUIRES GATE (Blackpool Airport)	Meteorological Office ...	5	1	0	33	31·8	35·71	193	147
D Blackburn (Queens Road)	J. Brennand, Esq. ...	5	1	1	515	...	54·61	242	189
w Causeway Side (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	5	1	0	1110	...	64·46	...	...
w Sheddin (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	5	1	0	960	...	62·08	...	...
D Cant Clough S. Side (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	5	1	0	903	...	62·14	213	193
D Cant Clough N. Side (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	5	1	0	846	...	58·99	213	185
w Rams Clough Head (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	5	1	0	1236	...	58·10	...	...
D Huncoat (Burnley Road Res.)	R. Jackson, Esq., B.Sc. ...	5	1	0	624	43·0	51·10	208	173
D Rishton (Sewage Works)	Surveyor ...	5	1	0	300	...	52·28	202	178
D Great Harwood (Parsonage Res.)	G. McKay, Esq., C.E. ...	8	1	0	631	40·7	48·55	213	171
D Great Harwood (Kebb Farm)	R. Jackson, Esq., B.Sc. ...	5	1	0	670	...	58·15	215	178
D BURNLEY (Queens Park)	Medical Officer of Health ...	8	1	0	458	...	51·21	219	184
D Burnley (Swinden) upper g.	J. Shepherd, Esq., C.E. ...	5	1	0	811	43·6	53·66	220	187
w Extwistle Moor Top (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	5	1	0	1308	...	58·26	...	...
D Padiham (Altham Sewage Works)	Water Engineer, Padiham ...	5	1	6	225	40·9	48·96	...	...
d Padiham (Huntroyde)	C. Russell Ingham, Esq. ...	5	1	0	430	41·1	51·98	221	181
D Alston Reservoir	E. C. Oakes, Esq., C.E. ...	8	1	2	330	41·0	49·74	223	178
D Nelson (Red Spa Moor)	Nelson Corporation W.W. ...	5	1	0	1175	...	56·53	...	...
D §Nelson (Coldwell Res.)	No. 3 Nelson Corporation W.W. ...	5	1	0	1060	...	60·09	231	203
D Nelson (Coldwell Res.)	No. 2 Nelson Corporation W.W. ...	5	1	0	960	46·3	56·37	231	199
D Whalley (Calderstones Institution)	C. R. Iken, Esq.* ...	5	1	0	198	...	51·47	210	171
D Nelson (Sewage Works)	Nelson Corporation W.W. ...	5	1	0	359	...	52·15	218	184
D NELSON (Walton Lane)	(+A) Medical Officer of Health ...	5	1	0	540	40·6	51·35	214	178
D Ribchester Institution	E. G. Heaven, Esq.* ...	5	1	0	279	...	52·64	221	179
D STONYHURST (College)	Rev. J. Lawrence, S.J. ...	8	1	10	377	46·5	55·35	211	175
D Cowley Brook (Preston W.W.)	E. C. Oakes, Esq., C.E. ...	8	1	2	616	...	57·86	222	180

§ Turf wall round gauge.

* Per Lancs. C.C. Land Drainage Engineer.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
CENTRAL LANCASHIRE—(contd.).									
1.—RIBBLE & C.—(contd.).									
D Spade Mill (Preston W.W.) ...	E. C. Oakes, Esq., C.E. ...	8	1	2	374	41·7	52·92	213	178
Jeffrey Hill (Preston W.W.) ...	E. C. Oakes, Esq., C.E. ...	8	1	2	900	47·3	57·53	...	...
D Sabden (Churn Clough Res.) ...	Water Engineer, Padiham	5	1	0	790	41·2	57·01	212	185
Sabden (Craggs Dole) ...	Water Engineer, Padiham	8	1	0	1050	46·0	63·43	...	...
D §Barley (Ogden Reservoir) ...	Nelson Corporation W.W.	5	1	0	908	...	66·45	226	184
D §Pendle Hill (Buttock) ...	Nelson Corporation W.W.	5	1	0	1175	49·9	71·00	228	199
D Colne (Swinden Sewage Works) ...	Borough Engineer ...	5	1	0	423	42·0	50·91	217	181
D Colne (Judge Fields) ...	Borough Engineer ...	5	1	0	558	...	52·80	227	189
d Barrowford Reservoir ...	Docks & Inland Waterways	8	1	0	473	41·0	55·73	197	176
§Nelson (Blackmoss Reservoir) ...	Nelson Corporation. W.W.	5	1	0	830	...	62·55	...	...
d Foulridge (Upper Reservoir) ...	Docks & Inland Waterways	8	1	0	582	40·5	50·43	200	182
D Foulridge (Reedymoor) ...	Docks & Inland Waterways	5	1	0	553	...	48·98	200	183
D Chatburn School ...	E. P. Aldersley, Esq. ...	5	1	0	322	43·0	53·24	208	175
Clitheroe (Downham Hall) ...	Sir R. C. Assheton, Bart. ...	5	1	6	464	...	54·44	...	...
2.—RIBBLE. Douglas. 156 sq. mi.									
D Wigan W.W. (Billinge Higher End) ...	Borough Engineer ...	5	1	0	374	...	46·65	197	175
D Orrell (Upholland Grammar School) ...	Headmaster ...	5	1	0	325	35·5	44·95	196	157
D Wigan (Grammar School) ...	Headmaster ...	5	1	0	120	...	41·56	191	158
d Wigan (Gidlow Sec. Mod. School) ...	Headmistress ...	8	0	11	150	...	43·77	202	161
D Wigan W.W. (Worthington) ...	Borough Engineer ...	5	1	0	225	35·4	46·65	210	169
D Horwich (Lower Rivington) ...	late Col. F. Hibbert, C.E. ...	5	1	0	440	38·7	51·23	226	178
M Rivington (Scotchman's Post) ...	late Col. F. Hibbert, C.E. ...	5	1	0	1425	...	62·14	...	...
M Rivington (Horden Stoops) ...	late Col. F. Hibbert, C.E. ...	5	1	0	1065	...	57·56	...	...
M Rivington (Brown Hill) ...	late Col. F. Hibbert, C.E. ...	5	1	0	727	...	54·19	...	...
D §Rivington (Stones House) ...	late Col. F. Hibbert, C.E. ...	5	1	0	607	...	52·25	242	185
Rivington (Hurst Hill) ...	late Col. F. Hibbert, C.E. ...	5	1	0	1029	...	56·53	...	...
M ||Rivington (Great Hill) ...	late Col. F. Hibbert, C.E. ...	5	1	0	1240	...	61·93	...	...
M ||Rivington (Coppice Stile) ...	late Col. F. Hibbert, C.E. ...	5	1	0	879	...	55·17	...	...
Rivington (Pimms) ...	late Col. F. Hibbert, C.E. ...	5	1	0	987	...	66·45	...	...
M Rivington (Gamekeeper's) ...	late Col. F. Hibbert, C.E. ...	8	1	1	850	45·4	60·14	...	...
M Chorley (Filter Beds) ...	late Col. F. Hibbert, C.E. ...	8	1	0	430	...	52·25	...	...
D Chorley (Common Bank Sew. Wks.) ...	J. Slater, Esq. ...	5	1	0	186	...	44·09	207	167
D Bretherton (Bank Hall) ...	R. Douglas Catchment Bd.*	5	1	0	20	...	42·18	213	165
D Bamber Bridge (Cuerden Hall) ...	J. Alleyne Robinson, Esq.	5	1	0	230	35·7	47·67	203	172
3.—COAST STREAMS. 52 sq. mi.									
D Formby (The Dunes) ...	J. Harold Coney, Esq. ...	5	0	9	30	29·8	35·43	205	153
D SOUTHPORT (Bedford Road Park) ...	Borough Council ...	5	1	0	35	32·0	36·58	203	159
D Rufford (Pulmonary Hospital) ...	Head Gardener* ...	5	1	0	38	...	39·08	192	158
D Southport (Hesketh Park) ... (+A)	Town Clerk ...	8	1	0	37	32·0	36·51	204	156
d Crossens Pumping Stn. ...	L. J. Lepine, Esq. ...	5	0	4	15	...	30·92	186	148
4.—OUSE. Aire. 2 sq. mi.									
d Watersheddes Res. ...	No. 2 G. E. V. Boldry, Esq., C.E.	5	1	0	1115	...	59·70	225	192
d Foulridge (Canal Office) ...	Docks & Inland Waterways	8	1	0	497	43·5	53·13	203	192
NORTH LANCASHIRE. (Area, 609 sq. mi.)									
1.—DUDDON & C. 77 sq. mi.									
D Barrow-in-Furness (Gas Works) ...	North Western Gas Board...	5	1	0	17	37·6	42·78	194	173
D Barrow-in-Furness (Sew. Wks.) (+A)	J. N. Flitcroft, C.E. ...	5	1	0	20	39·3	41·45	214	171
D Barrow-in-Furness (Risedale M. Sch.)	Headmaster ...	5	1	0	55	...	39·91	...	...
D Barrow-in-Furness (Abbey Road) ...	P. M. Rainey, Esq. ...	5	1	0	128	...	41·55	208	168

* Per Lancs. C.C. Land Drainage Engineer.

§ Turf wall round gauge.

|| Gauge over-exposed on moor.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
NORTH LANCASHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
1.—DUDDON & C.—(contd.).									
D Little Urswick (North View) ...	Miss I. Dobson, ...	5	1	0	130	44·4	51·22	219	178
D Ulverston (Poaka Beck) ...	Water Engineer, Barrow ...	5	1	0	512	52·1	55·20	216	180
w §Duddon Valley (Seathwaite Tarn) ...	Water Engineer, Barrow ...	5	1	0	1221	92·7	105·04	...	...
2.—LEVEN & C. 135 sq. mi.									
D Ulverston (Pengwerne) ...	Mrs. A. M. Chapman ...	5	1	2	124	50·1	57·93	222	184
d Ulverston (Park Road) ...	E. Satterthwaite, Esq. ...	5	1	0	50	...	56·48	209	179
D Haverthwaite (Outwood) ...	Sir Bryan Fell, K.C.M.G. ...	5	1	0	65	53·5	63·10	223	193
D Newby Bridge (Fell Foot) ...	Freshwater Biological Assoc. ...	5	1	0	175	...	63·33	219	185
D Cartmel Fell (Tower Wood) ...	Windermere U.D.C. ...	5	1	0	150	...	66·51	218	182
Cartmel Fell (Ghyll Head Res.) ...	F. C. Needham, Esq. ...	8	1	0	420	63·1	67·92	...	...
D Coniston (Thwaite Cottage) ...	E. W. Graham, Esq. ...	5	1	0	150	...	(95·96)	(229)	(208)
D Coniston (Holywath) ...	Major J. W. B. Hext ...	8	0	9	250	...	108·18	245	215
D Hawkeshead (Wraymires Fisheries) ...	Freshwater Biological Assoc. ...	5	1	0	271	...	81·50	238	199
d Hawkshead (Keen Ground) ...	Freshwater Biological Assoc. ...	5	1	0	...	...	88·92	...	205
d High Wray (Wray Castle) ...	Freshwater Biological Assoc. ...	5	1	0	202	...	77·79	...	...
D High Wray (Huyton Hill School) ...	Freshwater Biological Assoc. ...	5	1	0	129	...	75·52	205	188
3.—KENT & C. 45 sq. mi.									
d Heysham Harbour ...	British Railways ...	5	1	0	36	34·7	42·55	...	...
D MORECAMBE ...	Town Clerk ...	8	1	0	23	37·0	41·90	199	163
D Morecambe (Stuart Avenue) ...	H. W. Apperley, Esq. ...	5	1	0	18	...	44·84	209	177
D Morecambe (Bare Lane) ...	K. M. Wolstencroft, Esq. ...	5	0	11	20	...	44·14	205	170
D Lindale (Ellerhow) ...	Lady Tomlinson ...	5	1	0	300	51·4	55·24	220	183
4.—LUNE. 135 sq. mi.									
d Winmarleigh Hall ...	Lancashire County Council ...	5	1	0	46	...	46·64	188	181
D Hampson-in-Ellel ...	John Welch, Esq. ...	5	1	0	145	38·3	44·23	218	164
Bowland Forest (High Salter) ...	Lune Bd. of Conservators ...	5	1	0	1014	...	59·45	...	...
Bowland Forest (Whitray) ...	Lune Bd. of Conservators ...	5	1	0	1139	...	66·34	...	...
Bowland Forest (Lower Salter) ...	Lune Bd. of Conservators ...	5	1	0	575	...	50·88	...	...
D Lancaster (Blea Tarn Res.) ...	L. Lyons, Esq., C.E. ...	5	1	0	330	...	51·14	199	176
Lancaster (Stodday) ...	L. Lyons, Esq., C.E. ...	5	1	0	25	...	42·01	191	170
d Lancaster (Lune Aqueduct) ...	Docks & Inland Waterways ...	8	1	0	74	38·4	47·11	181	154
5.—WYRE & C. 213 sq. mi.									
D Hornby (The Snab) ...	A. T. Storey, Esq. ...	5	1	0	110	...	50·01	197	168
D Weeton Reservoir ...	No. 1 Fylde Water Board ...	5	1	0	133	36·6	43·51	212	168
D Fulwood W.W. (Haighton Res.) ...	Engineer and Surveyor* ...	5	1	0	264	...	49·84	197	168
D St. Michael's-on-Wyre (Fairway) ...	E. W. Hornby, Esq. ...	5	1	0	26	36·0	43·59	195	164
D Fulwood W.W. (Barnsfold Res.) ...	Engineer & Surveyor* ...	5	1	0	508	...	57·32	226	182
D FLEETWOOD (Memorial Park) ...	Town Clerk ...	5	1	0	21	...	39·35	199	155
D Garstang (Barnacre Reservoir) ...	Fylde Water Board ...	5	1	0	616	45·7	55·72	225	188
D Garstang (Grizedale Reservoir) ...	Fylde Water Board ...	5	1	0	517	43·6	49·69	225	177
Garstang (Calder Intake) ...	Fylde Water Board ...	5	1	0	632	46·6	52·60	...	...
D Garstang (Scorton) ...	W. G. Richmond, Esq. ...	5	1	0	92	...	47·28	205	175
Garstang (Grizedale Intake) ...	Fylde Water Board ...	5	1	0	644	46·6	51·97	...	...
D Wyresdale (Abbeystead Res.) ...	L. Lyons, Esq., C.E. ...	5	1	0	366	47·9	58·64	212	191
D Abbeystead Gardens ...	Mr. Geo. Penk ...	5	1	0	420	50·1	58·63	211	187
D Damas Ghyll Reservoir ...	L. Lyons, Esq., C.E. ...	5	1	0	590	...	54·78	206	173
M Quernmore (Old Gauge Basin) ...	L. Lyons, Esq., C.E. ...	8	1	0	963	46·1	61·29	...	...
M Quernmore (Hare Syke) ...	L. Lyons, Esq., C.E. ...	5	1	0	1610	...	80·80	...	...
6.—INSULAR. 4 sq. mi.									

* Per Lancashire C.C. Land Drainage Engineer.

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
WEST RIDING. (Area, 2,803 sq. mi.)									
1.—LUNE. 178 sq. mi.									
D High Bentham (Inglefield) ...	Geoffrey Holmes, Esq. ...	5	1	0	412	...	52·39	209	178
D Sedbergh (Brigflatts) ...	The Misses Wilson ...	5	1	0	305	53·0	64·76	221	188
D Sedbergh School ...	H. Dawson, Esq. ...	5	1	0	400	...	60·22	215	178
2.—RIBBLE. 225 sq. mi.									
D Colne (Lower Coppy) ...	L. Broughton, Esq., C.E. ...	5	1	7	975	...	52·31	220	189
D Colne (Laneshaw Res.) ...	L. Broughton, Esq., C.E. ...	5	1	9	795	...	50·89	220	184
D Barnoldswick (Greenberfield, 1)	Docks & Inland Waterways	8	1	0	488	41·5	48·72	199	168
Slaidburn (Hareden Fell) ...	E. C. Oakes, Esq., C.E. ...	8	1	2	1300	...	90·46	...	...
D Slaidburn (Hareden Valley) ...	E. C. Oakes, Esq., C.E. ...	8	1	2	563	68·3	85·19	243	201
D Slaidburn (Langden Brook) ...	E. C. Oakes, Esq., C.E. ...	8	1	2	559	68·6	87·79	222	196
Slaidburn (Holdron Moss) ...	E. C. Oakes, Esq., C.E. ...	8	1	2	1300	...	87·03	...	...
D Slaidburn (Dunsop Houses) ...	G. McKay, Esq., C.E. ...	8	1	6	450	62·9	76·01	200	188
D Slaidburn (Footholme) ...	G. McKay, Esq., C.E. ...	8	1	6	565	62·2	75·73	201	186
Slaidburn (Middle Knoll) ...	G. McKay, Esq., C.E. ...	5	1	0	1288	67·5	79·68	...	...
D Slaidburn (Brennand) ...	G. McKay, Esq., C.E. ...	5	1	6	820	68·3	77·63	199	186
d Slaidburn (Croasdale House) ...	G. McKay, Esq., C.E. ...	8	1	6	600	51·0	67·93	...	180
D Slaidburn (Stocks) ...	No. 10 Fylde Water Board	5	1	0	658	...	70·76	225	204
D Slaidburn (Stocks) ...	No. 11 Fylde Water Board	5	1	0	629	...	72·45	225	202
d Slaidburn (Croasdale Valley) ...	G. McKay, Esq., C.E. ...	8	1	6	720	...	70·37	...	...
d Slaidburn (Whitendale) ...	G. McKay, Esq., C.E. ...	8	1	6	830	70·0	86·27	...	185
Slaidburn (Dalehead) ...	Fylde Water Board	5	1	0	610	...	68·26	...	...
M Slaidburn (Cabin Hill) ...	G. McKay, Esq., C.E. ...	5	1	0	1559	68·5	76·06	...	...
M Slaidburn (Baxton Fell) ...	G. McKay, Esq., C.E. ...	5	1	0	1525	75·8	94·72	...	...
Slaidburn (Saddle Hill) ...	G. McKay, Esq., C.E. ...	5	1	0	1425	...	88·67	...	...
Settle (Bottoms) ...	Fylde Water Board	5	1	0	864	...	65·70	...	...
Settle (Catlow) ...	Fylde Water Board	5	1	0	827	...	76·96	...	...
Settle (Lamb Hill) ...	Fylde Water Board	5	1	0	1328	...	83·18	...	...
D Settle (Gas Works) ...	J. E. Ashworth, Esq. ...	8	2	6	450	43·9	53·33	205	171
D Giggleswick (Belfield) ...	E. H. Horner, Esq. ...	5	1	0	600	...	49·57	205	158
3.—MERSEY. Irwell. 2 sq. mi.									
D Oldham (Strinesdale) ...	C. Busfield, Esq. ...	5	1	0	791	44·7	49·52	218	184
4.—MERSEY. UPPER. 35 sq. mi.									
Greenfield (Chew, Blindstones) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1745	...	62·27	...	...
Greenfield (Chew Great Gruff) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1650	...	60·58	...	...
D Greenfield (Chew Mount) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1578	50·7	64·11	242	200
Greenfield (Chew Reservoir) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1648	...	63·67	...	...
Greenfield (Chew Sluice) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1670	...	62·47	...	...
D Greenfield (Sewage Disposal Works) ...	Manager ...	5	1	1	499	...	48·32	227	185
D Greenfield (Yeoman Hey) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	784	49·1	54·94	236	191
W Greenfield (Ashway Moss) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1581	...	58·25	...	...
W Greenfield (Birchen Clough) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1018	51·4	57·08	...	...
W Greenfield (Upperwood Moor) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1518	...	59·21	...	...
Saddleworth Station ...	Docks & Inland Waterways	5	1	0	574	...	54·92	214	190
D Standedge (Cas. Shaw Broadhead) ...	C. Busfield, Esq. ...	8	1	0	857	51·5	60·77	244	208
d Denshaw C. E. School ...	Head Teacher ...	8	1	1	870	...	57·41	...	194
D Denshaw (Ox Hey) ...	C. Busfield, Esq. ...	8	1	0	1031	48·9	54·42	239	193
D Denshaw (Crawshaw Hey) ...	C. Busfield, Esq. ...	8	1	0	956	48·5	53·31	239	195
D Denshaw (New Year's Bridge) ...	C. Busfield, Esq. ...	8	1	0	986	...	51·10	239	192
5.—TRENT. Derwent. 9 sq. mi.									
D Burbage (Parson's House) ...	Sheffield Corporation W.W. ...	8	1	0	1307	36·1	34·34	290	210
Burbage (Higger Lodge) ...	Sheffield Corporation W.W. ...	5	1	0	1225	36·8	35·81	...	...

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
WEST RIDING—(contd.).		in.	ft.	in.	ft.	in.	in.		
5.—TRENT. Derwent.—(contd.).									
§Burbage (Upper Burbage) ...	Sheffield Corporation W.W.	5	1	0	1364	38·1	37·86	...	...
M Derwent Dale (Howden Dean) No. 72	Derwent Valley Water Bd.	5	1	0	960	...	50·22	...	...
M §Derwent Dale (Howden Cl'gh) No. 64A	Derwent Valley Water Bd....	5	1	0	1010	44·4	49·58	...	...
M §Derwent Dale (Sandy Lee) ...No. 7A	Derwent Valley Water Bd.	5	1	0	1320	...	56·67	...	...
6.—TRENT. Left Bank Tributaries. 143 sq. mi.									
D Tickhill (Dadsley Road) ...	K. G. Brown, Esq.	5	1	0	60	...	23·37	191	117
D Austerfield Pumping Station ...	Doncaster & Tickhill W. Bd.	8	1	0	32	...	23·17	187	120
D Rossington Main Colliery ...	National Coal Board ...	5	1	0	22	...	24·10	157	116
D FINNINGLEY Airfield ...	(+A) Meteorological Office ...	5	1	1	28	...	23·01	179	116
D Balby (Sewage Works)...	(+A) late W. H. Price, Esq., C.E....	5	1	0	29	...	24·07	172	119
D Doncaster (Low Pasture P.S.) ...	late W. H. Price, Esq., C.E....	5	1	0	24	...	23·78	179	122
7.—OUSE. Don. 574 sq. mi.									
Burbage (Badger House) ...	Sheffield Corporation W.W.	5	1	0	1138	...	35·42	...	...
D Sheffield W.W. (Redmires R.)... (R)	Sheffield Corporation W.W.	10	5	0	1110	40·3	38·96	230	160
D Sheffield W.W. (Redmires R.) ...	Sheffield Corporation W.W.	5	1	0	1110	41·0	39·41	228	168
Rivelin (Oaking Clough) ...	Sheffield Corporation W.W.	8	1	0	1160	39·8	40·75	...	...
Rivelin (Oaking Clough) ... No. 2	Sheffield Corporation W.W.	5	1	0	1185	...	42·08	...	...
Rivelin (Middle Moss) ...	Sheffield Corporation W.W.	5	1	0	1168	41·0	44·10	...	...
D Sheffield W.W. (Rivelin) ... (+A)	Sheffield Corporation W.W.	8	1	6	564	35·2	35·63	202	158
Sheffield W.W. (Black Clough) ...	Sheffield Corporation W.W.	5	1	0	1175	40·3	44·11	...	...
D Sheffield W.W. (Crookes) ...	Sheffield Corporation W.W.	5	1	0	629	31·0	31·90	204	154
D SHEFFIELD (Weston Park) ...	Borough Council ...	5	1	0	428	30·4	30·45	193	137
Loxley Valley (Crawshaw Wood) ...	Sheffield Corporation W.W.	5	1	0	1175	...	41·09	...	...
Loxley Valley (Broadcar) ...	Sheffield Corporation W.W.	5	1	0	1004	44·4	45·23	...	...
Loxley Valley (Oakes Fm. Damflask) ...	Sheffield Corporation W.W.	5	1	0	650	36·1	38·80	...	...
Loxley Valley (Loftshaw, Strines) ...	Sheffield Corporation W.W.	5	1	0	1011	43·2	41·82	...	...
D Loxley Valley (Bradfield Filters) ...	Sheffield Corporation W.W.	8	1	0	551	...	38·35	228	161
D Loxley Valley (Dale Dike Res.) ...	Sheffield Corporation W.W.	8	1	0	715	41·9	42·79	236	175
Loxley Valley (Brogging Moss) ...	Sheffield Corporation W.W.	5	1	0	1360	...	49·70	...	...
Loxley Valley (Thornseat) ...	Sheffield Corporation W.W.	5	1	0	1326	42·6	44·25	...	...
Loxley Valley (Rocher Flat) ...	Sheffield Corporation W.W.	5	1	0	1106	...	39·22	...	...
Loxley Valley (Emlin Moor) ...	Sheffield Corporation W.W.	5	1	0	998	41·3	43·94	...	...
§Loxley Valley (White Lee Moor) ...	Sheffield Corporation W.W.	5	1	0	1170	...	45·10	...	...
Loxley Valley (Hobson Moss) ...	Sheffield Corporation W.W.	5	1	0	1530	...	47·09	...	...
D Rotherham (Ulley Res.) ... No. 2	E. J. Manson, Esq., C.E.	5	1	0	184	23·4	24·81	160	128
D Rotherham (Ulley Res.) ... No. 3	E. J. Manson, Esq., C.E.	5	1	0	132	23·2	25·58	160	128
D Wincobank (Sewage Works) ...	J. H. Edinondson, Esq. ...	5	1	6	110	23·0	22·60	165	114
D ROTHERHAM (Broom Lane) ...	L. Atkinson, Esq. ...	5	1	0	284	...	25·36	174	128
D Rotherham (Herringthorpe) ...	G. S. Fellows, Esq. ...	5	0	9	213	...	23·96	169	127
D Rotherham (Ramsden Road) ...	H. V. Radcliffe, Esq. ...	5	1	0	180	...	24·95	169	123
D Rotherham (Kimberworth School) ...	E. J. Manson, Esq., C.E.	5	1	0	258	24·7	24·55	185	130
D Rotherham (Thrybergh) ...	late W. H. Price, Esq., C.E....	8	1	0	184	23·8	26·69	186	121
D Ecclesfield (Sewage Works) ...	J. Gregory, Esq., C.E. ...	5	0	7	172	25·6	28·19	175	141
D Conisborough (Firsby Res.) ...	late W. H. Price, Esq., C.E....	8	1	3	189	26·1	28·58	185	127
§Ewden (Middle Moss) ...	Sheffield Corporation W.W.	5	1	0	1600	51·0	51·41	...	...
Ewden (Broomhead Moor) ...	Sheffield Corporation W.W.	5	1	0	1370	47·8	46·04	...	...
D Ewden (Canyard Brook) ...	Sheffield Corporation W.W.	5	1	0	585	...	40·83	215	167
Ewden (Candle Rush) ...	Sheffield Corporation W.W.	5	1	0	1400	...	50·61	...	...
Ewden (Broomhead Hall) ...	Sheffield Corporation W.W.	5	1	0	905	42·1	40·91	...	...
D Ewden (More Hall Reservoir)...	Sheffield Corporation W.W.	8	1	0	408	33·9	33·67	212	152
D Ewden (Broomhead Res.) ...	Sheffield Corporation W.W.	5	1	0	484	...	39·01	215	159
Ewden (Margery Hill) ... No. 2	Sheffield Corporation W.W.	5	1	0	1784	52·3	54·36	...	...
Ewden (Brown Edge) ...	Sheffield Corporation W.W.	5	1	0	1325	50·5	49·47	...	...

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	, in.	in.		
WEST RIDING—(contd.).									
7.—OUSE. Don—(contd.).									
	Wentworth Woodhouse ...	...	...	...	...	...	...	...	...
	Mr. A. Young ...	...	...	...	...	...	...	...	...
D	Wortley (Service Reservoir) ...	...	...	...	...	...	...	...	...
	W. G. Lees, Esq., C.E. ...	...	...	...	...	...	...	...	...
D	Midhope Moor (Barnside) ...	...	...	...	...	...	...	...	...
	W. G. Lees, Esq., C.E. ...	...	...	...	...	...	...	...	...
	Little Don Val. (Laund Clough) ...	...	...	...	...	...	...	...	...
	Sheffield Corporation W.W. ...	...	...	...	...	...	...	...	...
D	Little Don Val. (Underbank Res.) ...	...	...	...	...	...	...	...	...
	Sheffield Corporation W.W. ...	...	...	...	...	...	...	...	...
	Little Don Val. (Brockholes) ...	...	...	...	...	...	...	...	...
	Sheffield Corporation W.W. ...	...	...	...	...	...	...	...	...
	Little Don Val. (Sheep House) ...	...	...	...	...	...	...	...	...
	Sheffield Corporation W.W. ...	...	...	...	...	...	...	...	...
D	Langsett Moor (Midhope) ...	...	...	...	...	...	...	...	...
	W. G. Lees, Esq., C.E. ...	...	...	...	...	...	...	...	...
d	Langsett Moor (Upper Midhope) ...	...	...	...	...	...	...	...	...
	Sheffield Corporation W.W. ...	...	...	...	...	...	...	...	...
	§Langsett Moor (Mickleden) ...	...	...	...	...	...	...	...	...
	Sheffield Corporation W.W. ...	...	...	...	...	...	...	...	...
	Langsett Moor (Mickleden Edge) ...	...	...	...	...	...	...	...	...
	Sheffield Corporation W.W. ...	...	...	...	...	...	...	...	...
	Langsett Moor (Catclough) ...	...	...	...	...	...	...	...	...
	Sheffield Corporation W.W. ...	...	...	...	...	...	...	...	...
	§Langsett Moor (Fiddlers Green) ...	...	...	...	...	...	...	...	...
	Sheffield Corporation W.W. ...	...	...	...	...	...	...	...	...
	Langsett Moor (Fiddlers G.) Check	...	...	...	...	...	...	...	...
	Sheffield Corporation W.W. ...	...	...	...	...	...	...	...	...
	§Dunford Bridge (Brown's Cl'gh) No. 10	...	...	...	...	...	...	...	...
	D. E. Strachan, Esq., C.E. ...	...	...	...	...	...	...	...	...
	Langsett Moor (Border Hill) ...	...	...	...	...	...	...	...	...
	Sheffield Corporation W.W. ...	...	...	...	...	...	...	...	...
D	Langsett Moor (Swinden Lodge) ...	...	...	...	...	...	...	...	...
	Sheffield Corporation W.W. ...	...	...	...	...	...	...	...	...
	Langsett Reservoir ... (+A)	...	...	...	...	...	...	...	...
	Sheffield Corporation W.W. ...	...	...	...	...	...	...	...	...
D	Langsett Moor (Flouch Road) ...	...	...	...	...	...	...	...	...
	Sheffield Corporation W.W. ...	...	...	...	...	...	...	...	...
D	Thurgoland (Spring House) ...	...	...	...	...	...	...	...	...
	Major K. C. Banks ...	...	...	...	...	...	...	...	...
D	Wath-upon-Deane (Wath Wood Res.)	...	...	...	...	...	...	...	...
	Water Engineer ...	...	...	...	...	...	...	...	...
D	Hoyland Nether (King St.) ...	...	...	...	...	...	...	...	...
	Deane Valley Water Bd. ...	...	...	...	...	...	...	...	...
w	§Hazlehead (Town Brook Intake) ...	...	...	...	...	...	...	...	...
	W. G. Lees, Esq., C.E. ...	...	...	...	...	...	...	...	...
w	§Dunford Bridge (Long Grain) ...	...	...	...	...	...	...	...	...
	W. G. Lees, Esq., C.E. ...	...	...	...	...	...	...	...	...
d	§Wogden Foot (Cat Clough) ...	...	...	...	...	...	...	...	...
	W. G. Lees, C.E. ...	...	...	...	...	...	...	...	...
D	Doncaster (Pumping Station) ...	...	...	...	...	...	...	...	...
	late W. H. Price, Esq., C. E. ...	...	...	...	...	...	...	...	...
D	Bolton-on-Deane (Goldthorpe) ...	...	...	...	...	...	...	...	...
	Deane Valley Water Board ...	...	...	...	...	...	...	...	...
	§Dunford Bridge (Deardene Moss) ...	...	...	...	...	...	...	...	...
	D. E. Strachan, Esq., C.E. ...	...	...	...	...	...	...	...	...
D	Dunford Bridge (Stoney Gate) ...	...	...	...	...	...	...	...	...
	D. E. Strachan, Esq., C.E. ...	...	...	...	...	...	...	...	...
	§Dunford Bridge (End Springs) ...	...	...	...	...	...	...	...	...
	D. E. Strachan, Esq., C.E. ...	...	...	...	...	...	...	...	...
D	§Dunford Bridge Res. ...	...	...	...	...	...	...	...	...
	D. E. Strachan, Esq., C.E. ...	...	...	...	...	...	...	...	...
	Dunford Bridge (Grains Plantations)	...	...	...	...	...	...	...	...
	D. E. Strachan, Esq., C.E. ...	...	...	...	...	...	...	...	...
	§Dunford Bridge (Swines Clough Moss)	...	...	...	...	...	...	...	...
	D. E. Strachan, Esq., C.E. ...	...	...	...	...	...	...	...	...
d	Wombwell (Broomhill W.W.) ...	...	...	...	...	...	...	...	...
	Deane Valley Water Bd. ...	...	...	...	...	...	...	...	...
D	§Dunford Bridge (Harden) ...	...	...	...	...	...	...	...	...
	D. E. Strachan, Esq., C.E. ...	...	...	...	...	...	...	...	...
	§Dunford Bridge (Reaps Slack) ...	...	...	...	...	...	...	...	...
	D. E. Strachan, Esq., C.E. ...	...	...	...	...	...	...	...	...
D	Barnsley (Worsborough Bridge) ...	...	...	...	...	...	...	...	...
	Engineer and Surveyor ...	...	...	...	...	...	...	...	...
D	Darfield (Sewage Works) ...	...	...	...	...	...	...	...	...
	Surveyor ...	...	...	...	...	...	...	...	...
D	§Penistone (Royd Moor) ...	...	...	...	...	...	...	...	...
	W. G. Lees, Esq., C.E. ...	...	...	...	...	...	...	...	...
M	Penistone (Gringley Carr) ...	...	...	...	...	...	...	...	...
	W. G. Lees, Esq., C.E. ...	...	...	...	...	...	...	...	...
D	Penistone (Ingbirchworth Res.) ...	...	...	...	...	...	...	...	...
	W. G. Lees, Esq., C.E. ...	...	...	...	...	...	...	...	...
	Penistone (Spicer House) ...	...	...	...	...	...	...	...	...
	W. G. Lees, Esq., C.E. ...	...	...	...	...	...	...	...	...
D	§Penistone (Broadstone Res.) ...	...	...	...	...	...	...	...	...
	W. G. Lees, Esq., C.E. ...	...	...	...	...	...	...	...	...
w	Hepworth (Pottersgate House) ...	...	...	...	...	...	...	...	...
	W. G. Lees, Esq., C.E. ...	...	...	...	...	...	...	...	...
d	Barnsley (Queens Road) ...	...	...	...	...	...	...	...	...
	Borough Engineer ...	...	...	...	...	...	...	...	...
d	Doncaster (Bentley Works) ...	...	...	...	...	...	...	...	...
	Research Engineer ...	...	...	...	...	...	...	...	...
D	Barnsley (Jordan Hill) ...	...	...	...	...	...	...	...	...
	W. G. Lees, Esq., C.E. ...	...	...	...	...	...	...	...	...
D	Doncaster (Sandall Works) ...	...	...	...	...	...	...	...	...
	late W. H. Price, Esq. C.E. ...	...	...	...	...	...	...	...	...
D	Bentley Colliery ...	...	...	...	...	...	...	...	...
	National Coal Board ...	...	...	...	...	...	...	...	...
D	Cawthorne (Cannon Hall) ...	...	...	...	...	...	...	...	...
	J. M. Spencer Stanhope, Esq. ...	...	...	...	...	...	...	...	...
D	Barnsley (Burntwood Hall) ...	...	...	...	...	...	...	...	...
	R. Dymond, Esq. ...	...	...	...	...	...	...	...	...
D	Kirk Bramwith ...	...	...	...	...	...	...	...	...
	C. E. Farran, Esq., C.E. ...	...	...	...	...	...	...	...	...
D	Hemsworth (Fitzwilliam) ...	...	...	...	...	...	...	...	...
	Hemsworth & U.K. Coke	...	...	...	...	...	...	...	...
	Oven Co. ...	...	...	...	...	...	...	...	...
D	Rawcliffe (Black Drain P.S.) ...	...	...	...	...	...	...	...	...
	G. H. Simmons, Esq. ...	...	...	...	...	...	...	...	...
D	Goole ...	...	...	...	...	...	...	...	...
	Docks & Inland Waterways	...	...	...	...	...	...	...	...

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			.01 in. or more	.04 in. or more
WEST RIDING—(contd.).									
		in.	ft.	in.	ft.	in.	in.		
8.—OUSE. Aire. Calder. 361 sq. mi.									
D Great Hey	... H. P. Joyce, Esq., C.E.	5	1	0	1200	...	78.68	242	187
D Hey Springs	... H. P. Joyce, Esq., C.E.	5	1	0	1100	...	73.73	242	187
D Holmbridge (Yateholme)	... H. P. Joyce, Esq., C.E.	5	1	0	1009	59.2	68.53	242	185
D Holmbridge (Ramsden)	... H. P. Joyce, Esq., C.E.	5	1	0	861	56.4	64.21	242	185
Holmbridge (Bilberry Res.)	... J. P. Beveridge, Esq., C.E.	5	1	0	970	...	56.19	...	...
Holmfirth (Boshaw Whams Res.)	... J. P. Beveridge, Esq., C.E.	5	1	0	930	...	48.45	...	...
§Hepworth (Spring Head) (A)	... W. G. Lees, Esq.	5	1	0	1165	...	40.94	...	...
d Holmfirth (Snape Res.)	... Water Engineer	5	2	0	1075	...	44.04	...	...
Meltham (Harden Moss)	... J. P. Beveridge, Esq., C.E.	8	1	0	1212	...	58.54	...	...
Wessenden Head	... J. P. Beveridge, Esq., C.E.	8	1	0	1270	...	58.78	...	...
Wessenden (Holly Bank Moss)	... J. P. Beveridge, Esq., C.E.	8	1	0	1280	...	61.02	...	...
Wessenden (Old Reservoir)	... J. P. Beveridge, Esq., C.E.	8	1	0	940	...	58.01	...	...
d Stanedge (Redbrook Res.)	... Docks & Inland Waterways	5	1	0	1150	...	55.13	197	156
Wessenden (Butterley Moss)	... J. P. Beveridge, Esq., C.E.	8	1	0	1110	...	57.94	...	...
Wessenden (Bobus)	... J. P. Beveridge, Esq., C.E.	8	1	0	1200	...	57.35	...	...
Meltham (Brow Grains)	... J. P. Beveridge, Esq., C.E.	8	1	0	900	45.0	53.31	237	193
d Meltham (Royd Edge)	... United Thread Mills, Ltd.	8	1	3	585	48.3	54.82	...	...
Meltham Grange	... J. P. Beveridge, Esq., C.E.	5	1	0	850	42.9	46.82	234	178
d *Marsden Reservoir	... Docks & Inland Waterways	5	1	0	657	50.5	58.36	...	191
Marsden (Deer Hill)	... J. P. Beveridge, Esq., C.E.	8	1	0	1149	45.0	54.84	230	191
D Slaithwaite (Blackmoorfoot)	... J. P. Beveridge, Esq., C.E.	8	1	0	800	43.1	46.59	234	182
Slaithwaite (Deanhead Res.)	... J. P. Beveridge, Esq., C.E.	5	1	0	1007	...	55.66	...	...
D HUDDERSFIELD (Ravensknowle)	... Corporation	8	1	0	325	...	31.38	187	147
D HUDDERSFIELD (OAKES)	... S. Morris Bower, Esq.	5	1	0	761	34.9	40.02	228	169
w Moss Moor (Linsgreave)	... Wakefield Corpn. W.W.	5	1	0	1264	52.3	58.07	...	...
D Rishworth (Great Walden Edge)	... Wakefield Corpn. W.W.	5	1	0	1135	49.3	58.44	246	204
w Rishworth (Long Clough)	... Wakefield Corpn. W.W.	5	1	0	1000	52.8	61.54	...	...
w Rishworth (Stott Hall)	... Wakefield Corpn. W.W.	5	1	0	935	46.8	50.59	...	...
D §Rishworth Lodge	... Wakefield Corpn. W.W.	5	0	11	950	...	52.66	228	196
D Rishworth (Green Withens Res.)	... Wakefield Corpn. W.W.	5	1	0	1205	48.2	54.80	241	200
Rishworth (Lodge Hole)	... Wakefield Corpn. W.W.	5	1	0	1450	...	60.95	...	...
w Rishworth (Pike End)	... Wakefield Corpn. W.W.	5	1	0	1225	48.3	54.08	...	...
D Rishworth (Ringstone Res.) (lower)	... Wakefield Corpn. W.W.	5	1	0	962	46.9	50.35	229	190
w Soyland Moor (Greystones)	... Wakefield Corpn. W.W.	5	1	4	1192	52.6	55.72	...	...
D Soyland Moor (Rishworth Drain)	... C. Busfield, Esq.	8	1	0	1301	52.9	56.58	235	202
Soyland Moor (Waystone Drain)	... Wakefield Corpn. W.W.	5	0	11	1206	...	59.52	...	...
w Soyland Moor (Summit, East)	... Wakefield Corpn. W.W.	5	0	11	1218	52.9	53.16	...	...
D Soyland Moor (Stansfield Hey)	... Wakefield Corpn. W.W.	5	1	0	700	43.3	43.92	219	183
w Soyland Moor (Baitings)	... Wakefield Corpn. W.W.	5	1	0	943	51.4	53.80	...	...
D Soyland Moor (Byron Edge)	... C. Busfield, Esq.	8	1	0	1251	48.3	54.79	235	197
w Soyland Moor (Manshead)	... Wakefield Corpn. W.W.	5	1	0	1225	51.6	56.01	...	...
D Walsden (White Holme)	... C. Busfield, Esq.	8	1	0	1240	...	53.30	235	194
D Walsden (Calf Lee)	... Rochdale Corporation	8	1	0	960	...	50.87	224	181
D Walsden (Warland Res.)	... Rochdale Corporation	8	1	0	1245	48.6	49.07	220	183
d Horbury (Town Hall)	... E. F. Richley, Esq.	5	1	6	250	23.3	26.08	...	124
D Wakefield (Sewage Works)	... Yorkshire Ouse River Bd.	5	1	0	80	...	27.07	199	135
D WAKEFIELD (Clarence Park)	... Corporation	5	1	0	115	25.4	27.46	206	136
D Normanton (Haw Hill Park)	... Surveyor U.D.C.	8	1	1	136	23.3	25.73	192	130
w Walsden (Ramsden Hill)	... Rochdale Corporation	5	1	0	1326	52.0	65.48	...	...
D Walsden (Ramsden Reservoir)	... Rochdale Corporation	5	1	0	993	52.7	60.97	222	185
D Todmorden (Gorpley Res.)	... Borough Engineer	5	1	3	900	...	61.72	231	187
D Todmorden (Fielden Hospital)	... L. A. Crabtree, Esq.	5	1	0	650	...	53.95	230	180
D Todmorden (Lower Laith)	... D. A. Lord, Esq., F.R.Met.S.	5	1	0	500	...	57.52	247	191
D Todmorden (Sourhall Hospital)	... L. A. Crabtree, Esq.	5	1	0	1020	53.8	61.64	242	200
d Halifax (Public Library)	... Librarian	8	1	0	625	34.3	34.45	213	164

* Gauge on a steep bank.

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam. in.	Height of Rim above Ground ft.	Ground above Sea Level in.	ft.		Rain- fall in.	Days with ·01 in. or more	Days with ·04 in. or more
WEST RIDING—(contd.).									
8.—OUSE.—(contd.).									
D †Dewsbury (Mitchell Laithes Sew. Wks.)	Manager	5	1	0	115	...	26·16	187	134
D Dewsbury (Municipal Offices)	(+A) Borough Engineer	5	1	6	225	...	28·05	175	131
D Dewsbury (Crow Nest Park)	Superintendent of Parks	8	1	0	300	...	30·85	205	162
D Heckmondwike (The Bottoms)	Spenborough U.D.C.	5	1	0	165	...	30·56	195	140
D Batley (Staincliffe Reservoir)	H. P. Joyce, Esq., C.E.	5	1	0	492	25·3	30·03	191	137
D Ardsley (Jaw Hill Filters)	Wakefield Corp'n. W.W.	5	1	0	315	25·8	28·91	182	149
D Ardsley Reservoir (Upper)	Wakefield Corp'n. W.W.	5	1	2	395	25·4	28·15	203	145
D Halifax W.W. (Albert Res.)	A. C. Wildsmith, Esq., C.E.	5	1	0	795	35·3	39·29	217	172
D Halifax W.W. (Gibbet Res.)	A. C. Wildsmith, Esq., C.E.	5	1	0	565	34·6	36·31	210	168
D Todmorden (Eastwood Sew. Wks.)	Manager	5	1	0	368	...	54·44	226	180
D Mytholmroyd (Redacre)	C. H. Brock, Esq.	5	1	0	315	...	47·46	228	172
D Halifax W.W. (Ramsden Wood)	A. C. Wildsmith, Esq., C.E.	5	1	0	815	38·3	46·70	226	181
D Halifax W.W. (Castle Carr Lodge)	A. C. Wildsmith, Esq., C.E.	5	1	0	1060	42·6	46·90	222	179
w §Halifax W.W. (Gorple Res.)	No. 2 A. C. Wildsmith, Esq., C.E.	5	1	0	1275	...	63·33	...	...
w Halifax W.W. (Coppo)	A. C. Wildsmith, Esq., C.E.	5	1	0	1141	...	59·37	...	...
w Halifax W.W. (Midgley Moor)	A. C. Wildsmith, Esq., C.E.	8	1	0	1350	44·3	55·03	...	...
w Halifax W.W. (Gorple Res.)	No. 3 A. C. Wildsmith, Esq., C.E.	5	1	0	1160	...	58·65	...	...
w Halifax W.W. (Warley Moor)	A. C. Wildsmith, Esq., C.E.	8	1	0	1325	43·0	55·03	...	...
D Halifax W.W. (Ogden)	A. C. Wildsmith, Esq., C.E.	5	1	0	990	...	47·01	209	177
w Halifax W.W. (Ovenden Moor)	A. C. Wildsmith, Esq., C.E.	8	1	0	1375	41·8	51·50	...	...
D §Halifax W.W. (Gorple Res.)	A. C. Wildsmith, Esq., C.E.	5	1	0	1028	...	60·50	229	195
w Halifax W.W. (Widdop Res.)	No. 4 A. C. Wildsmith, Esq., C.E.	5	1	0	1060	...	60·12	...	...
D §Halifax W.W. (Widdop Res.)	No. 2 A. C. Wildsmith, Esq., C.E.	5	1	0	1065	...	58·30	230	197
w §Halifax W.W. (Widdop Res.)	No. 3 A. C. Wildsmith, Esq., C.E.	5	1	0	1060	...	58·81	...	...
D §Halifax W.W. (Walshaw Dean L.)	A. C. Wildsmith, Esq., C.E.	5	1	0	1040	48·1	55·57	230	202
w §Halifax W.W. (Walshaw Dean)	No. 3 A. C. Wildsmith, Esq., C.E.	5	1	0	1180	...	53·02	...	...
w Halifax W.W. (Widdop Res.)	No. 5 A. C. Wildsmith, Esq., C.E.	5	1	0	1280	...	61·72	...	...
w Halifax W.W. (Walshaw Dean)	No. 4 A. C. Wildsmith, Esq., C.E.	5	1	0	1425	...	50·55	...	...
9.—OUSE. Aire. 504 sq. mi.									
D PONTEFRAC (The King's School)	Headmaster	5	1	0	255	23·3	25·86	187	125
D Pontefract (Roall W.W.)	A. F. Richmond, Esq., C.E.	8	1	0	42	23·0	28·48	179	130
D Goole (Sewage Pumping Stn.)	Borough Engineer	5	1	0	10	...	26·36	178	137
D Rothwell (Lemonroyd Sew. Wks.)	Rothwell U.D.C.	5	1	0	64	...	26·96	183	128
D Selby (Brayton Barff Water Works)	Waterworks Engineer	8	1	0	173	...	27·68	178	130
D Bradford (Brayshaw Reservoir)	Waterworks Engineer	5	1	0	982	36·5	39·62	...	...
D Bradford (Bowling Cemetery)	(+A) City Surveyor	5	1	0	600	...	35·69	209	153
D Bradford (Horton Park)	City Surveyor	5	1	0	597	...	35·40	...	157
D Bradford (Thornton Grammar School)	City Surveyor	5	1	0	580	...	35·79	195	149
D Bradford (Thornton Cemetery)	City Surveyor	5	1	0	1003	...	42·75	210	169
D Bradford (Peel Park)	City Surveyor	5	1	0	450	...	35·02	205	146
D BRADFORD (Lister Park)	Corporation	8	1	0	439	33·9	34·31	203	154
D Bradford (Thornton Moor Filters)	Waterworks Engineer	5	1	0	1190	44·3	52·90	235	192
D Bradford (Stubden Res.)	No. 8 Waterworks Engineer	5	1	0	1071	44·9	55·56	229	189
M Bradford (Nan Scar, Oxenhope)	Waterworks Engineer	5	1	0	1101	...	53·96	...	...
M Bradford (Stairs Top, Oxenhope)	Waterworks Engineer	5	1	0	1360	52·4	56·93	...	...
D Bradford (Leeming Reservoir)	Waterworks Engineer	5	1	0	850	...	50·59	223	187
D Bradford (Doe Park Reservoir)	Waterworks Engineer	5	1	0	754	...	45·57	229	175
D Bradford (Leeshaw Res.)	Waterworks Engineer	5	1	0	875	47·3	56·68	258	198
D Bradford (Chellow Dean Res.)	Waterworks Engineer	5	1	0	645	34·5	36·71	...	...
D Bradford (Chellow Heights Res.)	Waterworks Engineer	5	1	0	848	...	34·44?	199	155
D Bradford (Hewenden Reservoir)	Waterworks Engineer	5	1	0	707	...	44·81	223	173
D Bradford (Heaton Reservoir)	Waterworks Engineer	5	1	0	531	...	34·52	201	149
D Leeds (Farnley Hall)	(+A) City Engineer	5	1	0	405	...	31·57	191	136
D Leeds (Wortley Reservoir)	K. L. Forster, Esq., C.E.	8	0	9	307	28·1	32·06	177	148

† Exposure unorthodox. § Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .01 in. or more
		in.	ft.	in.	ft.	in.	in.		
WEST RIDING—(contd.).									
9.—OUSE. Aire—(contd.).									
Leeds (Knostrop) ...	... K. L. Forster, Esq., C.E. ...	8	0	9	75	24.0	27.68	183	131
d Leeds (Civic Hall) ...	(+A) City Engineer ...	5	1	0	193	...	28.35	183	136
Leeds (Woodhouse Moor) ...	... K. L. Forster, Esq., C.E. ...	8	0	9	307	26.7	29.89	158	135
D Seacroft (Leeds City Hospital) ...	... Medical Superintendent ...	8	1	0	235	29.3	30.36	170	131
D Leeds (Chapel Allerton) ...	... E. J. Tibbs, Esq. ...	5	1	0	425	...	32.18	194	140
D Leeds (Weetwood Filter Beds) ...	(+A) City Engineer ...	8	1	0	328	27.5	32.23	196	145
D Leeds (Roundhay Park) ...	(+A) City Engineer ...	5	1	0	425	...	31.33	207	141
D Haworth (Harbour Lodge) ...	... G. E. V. Boldry, Esq., C.E. ...	8	1	0	1165	52.5	56.24	220	189
D Haworth (Lower Laithe Res.) ...	(+A) G. E. V. Boldry, Esq., C.E. ...	6	1	0	772	48.1	51.44	214	185
D §Oakworth (Oldfield Filters) ...	No. 2 G. E. V. Boldry, Esq., C.E. ...	5	1	0	978	...	52.69	225	191
§Oakworth (Keighley Moor) ...	... G. E. V. Boldry, Esq., C.E. ...	5	1	0	1300	...	57.99	...	...
§Oakworth (Clough Hey) ...	... G. E. V. Boldry, Esq., C.E. ...	5	1	0	1075	...	54.50	...	...
w Oakworth (Newsholme Dean) ...	... G. E. V. Boldry, Esq., C.E. ...	5	1	0	675	...	47.24	...	...
§Oakworth (Keighley Moor) ...	No. 2 G. E. V. Boldry, Esq., C.E. ...	5	1	0	1025	...	57.99	...	...
D Rawdon (Sewage Works) ...	... Aireborough U.D.C. ...	8	1	9	150	...	31.34	189	143
D BINGLEY (St. Ives Research Stn.) ...	... Director ...	8	1	0	610	...	36.00	195	157
D §Bingley (Gilstead Filters) ...	... Engineer, Bradford W.W. ...	5	1	0	572	...	36.11	205	155
D Baildon (Weecher Res.) ...	... Surveyor & W.W. Engineer ...	5	...	...	...	...	34.24	221	171
D Adel (Lawns Wood Cemetery) ...	... W. R. Pearson, Esq. ...	5	1	1	470	...	31.75	204	148
D Keighley (The Knowle) ...	... P. Clough, Esq. ...	5	1	0	390	...	38.98	199	159
D Keighley (Hard Ings Lane) ...	... Medical Officer of Health ...	5	0	10	304	35.7	40.05	217	169
Bingley (Sunnydale Res.) ...	... Engineer, Bradford W.W. ...	5	1	0	825	33.1	35.30	...	...
D Salterforth (Barnoldswick W.W.) ...	... Barnoldswick U.D.C. ...	8	1	4	832	46.6	58.95	226	186
D Earby (Sewage Works) ...	(+A) Surveyor ...	5	1	9	426	39.3	48.99	212	165
M Silsden (Gill Grange) ...	... Engineer, Bradford W.W. ...	5	1	0	883	30.8	36.32	...	...
M Silsden Reservoir ...	... Engineer, Bradford W.W. ...	5	1	0	560	...	37.10	207	169
M Silsden (Cringles Res. Site) ...	... Engineer, Bradford W.W. ...	5	1	0	715	31.3	37.97	...	...
D Elslack (Stories Farm) ...	... Barnoldswick U.D.C. ...	5	0	7	675	...	49.47	226	185
D Skipton (Town Hall) ...	(+A) K. B. Robinson, Esq. ...	6	2	6	367	33.5	41.49	206	165
d Gargrave (Banks Hill Bank) ...	... Docks & Inland Waterways ...	8	1	0	545	35.5	41.96	...	163
Winterburn (Long Hill) ...	... Docks & Inland Waterways ...	8	1	0	705	37.8	46.77	197	171
D Settle (MALHAM TARN) ...	... C. Promotion Field Studies ...	5	1	0	1297	...	66.13	231	181
10.—OUSE. Wharfe. 408 sq. mi.									
D CHURCH FENTON Airfield ...	(+A) Meteorological Office ...	8	1	0	27	...	25.09	173	123
Adel (Eccup, East) ...	... K. L. Forster, Esq., C.E. ...	5	0	9	375	29.3	34.02	198	150
Harewood (Arthington) ...	... K. L. Forster, Esq., C.E. ...	8	0	9	139	32.0	30.72	201	135
D Harewood House ...	... The Earl of Harewood ...	5	0	10	300	29.7	30.99	165	135
D Otley (Sewage Works) ...	... J. A. A. Pratt, Esq., C.E. ...	5	1	7	172	...	28.76	175	136
D ILKLEY (Spence's Garden) ...	... Engineer & Surveyor ...	5	1	0	315	35.1	41.97	216	164
D ASKHAM BRYAN ...	... Yorkshire Inst. of Agriculture ...	5	1	0	90	...	25.65	185	133
Leathley (Lindley Woods) ...	... K. L. Forster, Esq., C.E. ...	8	0	9	312	31.6	34.28	211	151
D Ilkley (March Ghyll Res.) ...	... J. A. A. Pratt, Esq., C.E. ...	5	1	0	705	34.0	33.62	185	156
D York (Bishopthorpe Road) ...	... J. Terry & Sons, Ltd. ...	5	1	0	51	...	25.48	170	124
D York (Acomb Landing) ...	... York Waterworks Co. ...	5	1	0	40	22.6	25.41	190	132
M Skipton (Counter Hill) ...	... Engineer, Bradford W.W. ...	5	1	0	951	30.2	37.12	...	...
D Skipton (Chelker Reservoir) ...	... Engineer, Bradford W.W. ...	5	1	0	730	32.9	39.80	222	180
D Beamsley (Overdale) ...	... A. Downs, Esq. ...	5	1	0	425	...	39.61	194	161
Fewston (Timble Ings) ...	... K. L. Forster, Esq., C.E. ...	5	0	9	912	35.5	46.66	218	176
Fewston (Swinsty, East) ...	... K. L. Forster, Esq., C.E. ...	8	0	9	460	34.4	38.29	212	167
Fewston, North ...	... K. L. Forster, Esq., C.E. ...	8	0	9	525	...	40.29	224	171
Fewston (Blubberhouses) ...	... K. L. Forster, Esq., C.E. ...	8	0	9	575	37.1	44.60	216	179
D Bolton Abbey Estate Office ...	... E. E. Hey, Esq. ...	5	1	2	368	36.3	42.51	189	163
D §Barden Reservoir ...	... Engineer, Bradford W.W. ...	5	1	0	746	41.8	51.58	230	183
M Upper Barden Reservoir ...	... Engineer, Bradford W.W. ...	5	1	0	1164	...	50.29	...	...

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			above	above	above			·01 in.	·04 in.
			Ground	Sea Level	Sea Level			or more	or more
WEST RIDING—(contd.).									
		in.	ft.	in.	ft.	in.	in.		
10.—OUSE. Wharfe—(contd.).									
Rocking Moor (Spittle Ings) ...	K. L. Forster, Esq., C.E. ...	5	...	...	967	...	50·49	244	197
Thruscross (Lane Head) ...	K. L. Forster, Esq., C.E. ...	5	0	9	950	...	46·97	199	177
§Burnsall (Thorpe Fell) ...	Engineer, Bradford W.W. ...	5	1	0	1661	...	51·07	...	...
Burnsall (Sandbed Beck) ...	Engineer, Bradford W.W. ...	5	1	0	676	41·0	51·05	...	...
Braithwaite Moor (High House) ...	K. L. Forster, Esq., C.E. ...	5	...	...	1068	...	50·14	216	168
d Threshfield (Far Croft) ...	Mrs. D. Sampson ...	5	1	0	630	...	49·56	212	160
D Grimwith Reservoir ...	Engineer, Bradford W.W. ...	5	1	0	884	43·9	48·30	231	172
M Grimwith (Trunla Hill) ...	Engineer, Bradford W.W. ...	5	1	0	1201	...	49·83	...	...
D Oughtershaw Hall ...	Mr. T. White ...	5	1	6	1175	...	75·96	245	202
11.—OUSE. Nidd. 254 sq. mi.									
D Spofforth (Sewage Works) ...	Harrogate Corporation ...	5	1	0	181	27·0	30·45	207	145
M Harrogate W.W. (Ling Cottage) ...	Water Engineer, Harrogate ...	5	1	0	740	33·4	36·51	...	...
M Harrogate W.W. (Broad Dubb) ...	Water Engineer, Harrogate ...	5	1	0	725	34·1	36·39	...	...
M Harrogate W.W. (Cobblers Cottage) ...	Water Engineer, Harrogate ...	8	1	0	730	33·5	36·05	...	...
D Harrogate W.W. (Ten Acres Res.) ...	Water Engineer, Harrogate ...	8	1	6	620	34·9	38·78	230	178
D Harrogate W.W. (Scargill Res.) ...	Water Engineer, Harrogate ...	8	1	0	646	34·8	38·19	229	165
D Harrogate W.W. (Beaver Dyke Res.) ...	Water Engineer, Harrogate ...	8	0	11	575	34·1	35·19	222	163
M Harrogate W.W. (John O'Gaunt's) ...	Water Engineer, Harrogate ...	8	1	0	600	33·8	36·51	...	...
§Harrogate W.W. (Long Stoop) ...	Water Engineer, Harrogate ...	5	1	0	700	33·8	37·24	...	...
M Harrogate W.W. (Knab's Moor) ...	Water Engineer, Harrogate ...	5	1	0	700	32·5	36·32	...	...
D HARROGATE (Harlow Moor Obsy.) ...	Corporation ...	5	1	0	478	30·6	31·79	198	149
D Harrogate (Harlow Hill Res.) ...	Water Engineer, Harrogate ...	8	1	0	549	...	33·70	209	159
D Harrogate (Irongatebridge Res.) ...	Water Engineer, Harrogate ...	8	1	6	455	29·3	33·48	198	158
d Knaresborough (Water Tower) ...	Water Engineer, Harrogate ...	8	1	0	240	27·1	29·77	178	146
D Harrogate (Bilton Sewage Works) ...	Corporation ...	5	1	0	208	28·5	31·88	178	152
d Birstwith Hall ...	Sir Cecil W. Aykroyd, Bt. ...	5	1	0	325	34·4	40·70	...	169
D Pateley Bridge (Low Laithe) ...	A. Y. Barker, Esq. ...	5	1	6	380	...	41·08	200	161
Ramsgill (Holme Ho., Gouthwaite) ...	Engineer, Bradford W.W. ...	5	1	0	464	39·9	43·37	...	...
D Ramsgill (Raygill House) ...	Engineer, Bradford W.W. ...	5	1	0	925	46·7	50·87	192	167
D Ramsgill ...	Engineer, Bradford W.W. ...	5	1	0	450	42·1	49·02	204	164
Nidderdale (East Gill Head) ...	Engineer, Bradford W.W. ...	5	1	0	1710	57·6	61·35	...	...
M Nidderdale (Rain Stang) ...	Engineer, Bradford W.W. ...	5	1	0	1470	47·4	50·50	...	...
M Nidderdale (New Houses) ...	Engineer, Bradford W.W. ...	5	1	0	755	45·8	47·29	...	...
D Nidderdale (West Houses) ...	Engineer, Bradford W.W. ...	5	1	0	1165	52·5	64·41	229	186
D Scar House Reservoir ...	Engineer, Bradford W.W. ...	5	1	0	1085	...	54·49	232	183
12.—OUSE. Ure. 110 sq. mi.									
D Burton Leonard ...	B. Coore, Esq. ...	5	1	0	290	...	27·86	193	131
Pately Bridge (Skell Beck) ...	Water Engineer ...	5	1	0	900	...	38·24	...	...
D Ripon (Wynhaven) ...	J. H. Abbott, Esq. ...	5	1	0	164	...	28·30	187	144
Dallow Moor (Harper Hill) ...	K. L. Forster, Esq., C.E. ...	8	0	9	819	...	37·85	159	153
D Ripon (Grammar School) ...	Headmaster ...	5	1	0	150	...	24·72	194	138
Kirkby Malzeard (Drovers' Inn) ...	K. L. Forster, Esq., C.E. ...	8	0	9	576	36·0	38·31	205	158
Kirkby Malzeard (Hawsett) ...	K. L. Forster, Esq., C.E. ...	5	0	9	820	37·1	37·63	194	152
w Kirkby Malzeard (Hambleton Hill) ...	K. L. Forster, Esq., C.E. ...	8	0	9	1106	39·7	40·64	...	...
Kirkby Malzeard (Bagwith Brae) ...	K. L. Forster, Esq., C.E. ...	5	0	9	703	32·9	34·51	184	160
w Kirkby M. (Stone & Ears Wham) ...	K. L. Forster, Esq., C.E. ...	8	0	9	1118	39·7	36·43	...	...
EAST RIDING. (Area, 1,176 sq. mi.)									
1.—OUSE. Left Bank Tributaries. 82 sq. mi.									
D York (The Retreat) ...	Secretary ...	5	1	0	60	...	28·59	198	143

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
EAST RIDING—(contd.).									
2.—OUSE. Derwent. 248 sq. mi.									
D Birdsall Gardens ...	Mr. J. Anderson ...	5	1	2	308	29.2	33.99	198	160
D Ganton (Golf Club) ...	Secretary ...	5	1	2	100	...	33.41	187	157
D Ganton (Ganton Hall) ...	E. W. Wrigley, Esq. ...	5	1	0	250	27.5	33.51	198	153
3.—HUMBER. Left Bank Tributaries. 675 sq. mi.									
D §SPURN HEAD (R.N. Signal Stn.) ...	Chief Officer (M.O.) ...	5	1	0	29	22.7	25.07	160	128
D Patrington (Station Road) ...	A. Moser, Esq. ...	5	1	3	46	23.3	26.24	158	128
D Hessle (Sandford) ...	Lieut. C. S. Sherwood ...	5	1	0	90	...	31.34	211	149
D HULL (Pearson Park) ...	Gen. Superintendent ...	5	0	10	8	25.4	30.91	197	143
D Hull (Springhead) ...	Hull Waterworks ...	5	1	0	14	25.5	29.30	186	142
D Cottingham (Dunswell P.S.) ...	Hull Waterworks ...	5	1	0	6	...	29.10	185	142
D Holme-on-Spalding Moor (Vicarage)	Rev. W. L. Shepherd ...	8	1	0	30	25.9	28.25	205	147
d Beverley (Broadgate Hospital)	Medical Superintendent ...	5	1	0	175	26.5	29.40	176	145
D Beverley (Gas Works) ...	Engineer ...	5	1	0	21	...	30.15	183	145
D Beverley (Hull Bridge) ...	Hull & E. Yorks River Bd. ...	5	2	6	11	24.9	31.13	196	158
D Market Weighton (Dalton Holme) ...	W. F. Cullen, Esq. ...	8	6	6	120	27.3	34.44	200	162
D Brandesburton (Hempholme Lock)	Hull & E. Yorks River Bd. ...	5	2	6	11	24.6	30.94	172	152
D Hutton Cranswick (The Vicarage)	Rev. G. Storer ...	5	1	0	79	...	29.08	199	140
D DRIFFIELD Airfield ...	Meteorological Office ...	5	1	0	69	...	31.87	200	139
D Fridaythorpe (School) ...	Head Teacher ...	5	1	0	574	...	35.53	230	163
D Lowthorpe (The Elms) ...	J. Tate, Esq. ...	5	1	0	63	26.5	34.11	200	153
D Langtoft School ...	G. W. E. Ogden, Esq. ...	5	1	0	250	...	34.06	175	139
4.—EAST COAST STREAMS. 171 sq. mi.									
D Withernsea (High School) ...	E. Brown, Esq. ...	5	1	0	28	...	28.35	201	137
D Hornsea (Town Hall) ...	Hornsea U.D.C. ...	5	1	0	12	...	28.34	176	140
D Bridlington (Corpn. Nurseries)	Parks Superintendent ...	8	1	0	60	25.6	32.38	236	158
D Weaverthorpe (The School House)	H. Wilkinson, Esq. ...	5	1	0	270	...	37.85	225	162
D Filey (Rosedale Reservoir) ...	Water Engineer ...	5	1	0	197	...	31.28	197	153
D Filey (Pumping Station) ...	Water Engineer ...	5	1	0	123	...	27.29	203	142
NORTH RIDING. (Area, 2,155 sq. mi.).									
1.—OUSE. Ure. 273 sq. mi.									
M Masham Moor (Arnagill Beck W.) ...	Water Engineer, Harrogate	5	1	0	1210	41.6	45.28	...	...
M Masham Moor (Arnagill Beck E.) ...	Water Engineer, Harrogate	5	1	0	1150	39.5	40.47	...	...
M Masham Moor (Grey Ridge) ...	Water Engineer, Harrogate	5	1	0	1330	44.3	42.13	...	...
M Masham Moor (Low Ash Head)	Water Engineer, Harrogate	5	1	0	845	40.7	42.70	...	...
M Masham Moor (Agill Head) ...	Water Engineer, Harrogate	5	1	0	1380	43.4	47.53	...	...
d West Tanfield Rectory ...	Rev. F. A. Trotter ...	5	1	0	150	28.7	27.33	171	126
D Masham Moor (Roundhill Res.) ...	Water Engineer, Harrogate	8	1	0	743	37.6	39.32	210	155
D Roundhill Reservoir No. 2 ...	Water Engineer, Harrogate	8	1	0	925	38.8	41.52	218	158
W Masham Moor (High Sour Mire)	K. L. Forster, Esq., C.E. ...	5	0	9	884	...	39.13	...	...
Masham Moor (Leighton Res.) ...	K. L. Forster, Esq., C.E. ...	5	0	9	634	35.9	37.24	205	157
Masham Moor (Towler Hill) ...	K. L. Forster, Esq., C.E. ...	8	0	9	820	36.7	37.69	216	160
Masham Moor (Breary Bank) ...	K. L. Forster, Esq., C.E. ...	5	0	9	600	36.8	36.96	216	158
Masham Moor (Healey Pasture)	K. L. Forster, Esq., C.E. ...	5	0	9	620	36.1	36.77	210	156
Masham Moor (Low Houses)	K. L. Forster, Esq., C.E. ...	5	0	9	693	37.9	38.09	182	151
D Leyburn (Spennithorne) ...	F. M. Curtis, Esq., F.R.Met.S.	5	1	0	358	...	31.69	209	133
D Leyburn (Bolton Hall) ...	Head Gardener ...	5	1	0	420	32.6	35.69	219	145
Leyburn (Overdale) ...	A. Rowntree, Esq. ...	5	1	0	550	...	30.64	...	...
D Askrigg (Yorebridge Gram. School)	F. E. Chevins, Esq. ...	5	1	0	670	...	44.84	210	175
d Hawes Junction (Moorland Cottage)	Mr. W. Ireland ...	5	1	6	1125	...	79.76	228	202

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
			Rim above Ground	Ground above Sea Level					
		in.	ft.	in.	ft.	in.	in.		
NORTH RIDING—(contd.).									
2.—OUSE. Swale. 569 sq. mi.									
d Coxwold (The Old Hall) ...	... L. Geipel, Esq. ...	5	1	6	260	26·1	31·01	...	...
D Thirsk (Topcliffe Airfield) ...	... Meteorological Office ...	5	1	0	81	...	25·10	182	125
d Thirsk (Ashton House) ...	... Mrs. F. E. Walker ...	5	1	6	112	...	26·57	188	133
D Thirsk (Sowerby) ...	... Mrs. M. Brown ...	5	1	0	110	24·7	26·59	180	137
D Thirsk (South Villa) ...	... B. Foggitt, Esq. ...	5	1	0	115	24·7	26·42	189	130
D Felixkirk (Mount St. John) ...	(+A) A. J. Walker, Esq. ...	5	1	0	540	26·5	30·58	211	145
Boltby, East ...	... A. J. Walker, Esq. ...	5	1	0	459	26·2	34·64	...	...
D LEEMING Airfield ...	(+A) Meteorological Office ...	8	1	0	105	...	25·41	178	123
D Maunby Hall ...	... Major A. Hill-Walker, V.C. ...	5	1	0	90	23·9	27·11	168	135
D Scruton Hall ...	... Mrs. Coore ...	5	1	0	100	23·8	29·10	175	140
D Swaledale (Gunnerside Lodge) ...	... The Rt. Hon. Lord Peel ...	5	1	0	900	47·8	50·20	236	182
Osmotherly (Oakdale W.W.) ...	... Northallerton U.D.C. ...	5	1	0	600	28·3	32·12	...	...
D East Harlsey (Harlsey Hall) ...	... Mrs. Constantine ...	5	1	0	370	...	28·76	191	146
d Richmond (C.E. School) ...	... R. Hornby, Esq. ...	5	1	0	420	...	31·18	...	...
3.—OUSE. Left Bank Tributaries. 153 sq. mi.									
D YORK (Museum) Yorks. Phil. Soc. (Dr. W. L. Collinge) ...	...	5	1	0	57	24·3	26·96	195	144
4.—OUSE. Derwent. 509 sq. mi.									
D Welburn ...	... R. Child, Esq. ...	5	1	0	200	26·1	35·23	210	149
D Malton (Broughton Road) ...	... C. C. Laverack, Esq. ...	5	1	0	152	25·5	30·95	183	152
D Hovingham Hall ...	... Col. Sir W. A. Worsley, Bart. ...	5	0	9	119	29·0	30·05	183	148
D AMPLEFORTH ...	... Rev. T. L. Jackson, O.S.B. ...	5	1	0	313	...	33·89	190	151
D Oswaldkirk (Leysthorpe Hall) ...	... Major G. B. Foster ...	5	1	0	231	...	31·63	199	145
D Nunnington Hall Gdns. ...	... Head Gardener ...	5	1	0	110	...	29·50	158	140
d Wykeham (Low Moor) ...	... P. J. Rennie, Esq. ...	5	1	0	692	...	38·33	200	168
D Seamer (Irtton Pumping Station) ...	... H. V. Overfield, Esq., C.E. ...	5	1	0	94	28·7	31·75	205	156
D Scarborough (Osgodby) ...	... H. V. Overfield, Esq., C.E. ...	5	1	0	166	26·1	28·70	199	152
D Kirkby Moorside (Ravenswyke) ...	... Lt.-Col. V. H. Holt, M.C., J.P. ...	5	1	0	270	27·2	30·88	187	156
d Silpho Moor ...	... Forestry Commission ...	5	1	6	662	...	36·21	208	156
M Bransdale 7 ...	... Hull Waterworks ...	5	1	0	1021	...	44·19	...	...
D Farndale (The Vicarage) ...	... Hull Waterworks ...	8	1	0	495	...	40·63	211	174
M Rosedale 16 ...	... Hull Waterworks ...	5	1	0	587	...	(40·70)	...	...
M Rosedale 19 ...	... Hull Waterworks ...	5	1	0	599	...	40·73	...	...
M Rosedale 17A ...	... Hull Waterworks ...	5	1	0	986	...	41·29	...	...
M Bransdale 3 ...	... Hull Waterworks ...	5	1	0	739	...	(42·58)	...	...
D Bransdale 3B ...	... Hull Waterworks ...	8	1	0	848	...	44·18	217	176
M Bransdale 4B ...	... Hull Waterworks ...	5	1	0	1184	...	44·50	...	...
M Farndale 9 ...	... Hull Waterworks ...	5	1	0	1015	...	46·93	...	...
M Farndale 10 ...	... Hull Waterworks ...	5	1	0	574	...	46·67	...	...
M Farndale 13 ...	... Hull Waterworks ...	5	1	0	1055	...	(43·98)	...	...
M Farndale 14 ...	... Hull Waterworks ...	5	1	0	1286	...	41·15	...	...
M Rosedale 18 ...	... Hull Waterworks ...	5	1	0	1337	...	42·97	...	...
M Rosedale 14A ...	... Hull Waterworks ...	5	1	0	1329	...	43·47	...	...
5.—ESK & C. 278 sq. mi.									
D SCARBOROUGH ...	(+A) Medical Officer of Health ...	5	1	0	118	25·8	29·59	206	152
D Scarborough (Scalby) ...	... Capt. Sir William Wordsworth ...	5	1	0	210	...	32·69	201	154
W Goathland (Hydro) ...	... E. N. Burn, Esq. ...	5	1	0	450	...	30·29	...	...
D Danby (Botton Hall) ...	... W. E. F. Macmillan, Esq. ...	5	1	0	720	...	42·95	226	171
D Egton Bridge (Bridgeholme) ...	... Mrs. Astley Smith ...	5	1	0	130	33·3	35·79	182	167
D Whitby (Park Hall, Aislaby) ...	... Miss M. A. N. Richardson ...	5	1	0	500	30·7	31·64	205	149
D Guisborough (Lockwood Res.) ...	... Cleveland Water Co. ...	8	1	0	632	33·0	38·68	213	169
D Guisborough (Grammar School) ...	... P. E. Moore, Esq. ...	5	1	0	330	...	31·69	208	152
D Guisborough (Waterworks) ...	... Guisborough U.D.C. ...	5	1	2	600	...	35·31	189	162
D Saltburn (North Skelton Mine) ...	... Messrs. Dorman, Long & Co. ...	5	1	0	304	...	33·81	198	154

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.		ft.				in.	in.
NORTH RIDING—(contd.).									
5.—ESK & C.—(contd.).									
D	REDCAR Town Clerk	5	1	0	25	24.2	27.27	194	146
D	Redcar (Nelson Terrace) T. K. G. Ridley, Esq.	5	1	6	10	...	26.09	196	144
6.—TEES. 373 sq. mi.									
D	Kildale Hall Mrs. R. B. Turton	5	1	2	600	35.5	40.15	204	173
D	Crathorne Hall Gardens Maj. Sir Thomas Dugdale	5	1	3	185	25.0	29.77	180	131
D	Barningham Park Sir F. Milbank, Bart.	8	1	0	750	32.6	41.20	194	145
D	Yarm (Worsall Hall) Major H. K. D. Evans	8	1	0	60	...	29.18	161	139
D	Nunthorpe (The Box) G. D. Cochrane, Esq.	5	1	3	287	25.2	31.11	192	162
D	Middlesbrough (West Acklam) H. C. White, Esq.	5	1	0	71	...	28.72	209	141
D	Middlesbrough (Albert Park) H. C. Hildyard, Esq.	5	1	0	30	23.7	28.27	184	147
D	Middlesbrough (South Bank) N. C. Harrison, Esq., C.E.	5	1	0	41	...	26.33	197	141
M	Baldersdale (Aygill) T. S. R. Winter, Esq., C.E.	5	1	6	1250	49.5	57.28	...	...
D	Lartington Filters T. S. R. Winter, Esq., C.E.	5	1	0	735	32.1	36.48	234	156
M	Baldersdale (Blackton Res.) T. S. R. Winter, Esq., C.E.	5	1	0	937	40.9	48.05	...	...
M	Baldersdale (Balderhead) T. S. R. Winter, Esq., C.E.	5	1	3	1360	45.7	57.10	...	...
D	Baldersdale (Hury Res.) <i>old g. site</i> T. S. R. Winter, Esq., C.E.	5	1	0	866	36.0	41.41	215	163
D	Baldersdale (Hury Res.) <i>new g. site</i> T. S. R. Winter, Esq., C.E.	5	1	0	862	37.3	41.04	215	161
M	Lunedale (Dow Crag) T. S. R. Winter, Esq., C.E.	5	1	0	1720	57.6	70.00	...	...
M	Lunedale (Lunehead) T. S. R. Winter, Esq., C.E.	5	1	0	1450	55.0	71.90	...	...
M	Lunedale (Selset) T. S. R. Winter, Esq., C.E.	5	1	0	924	40.3	45.20	...	...
D	Lunedale (Grassholme Res.) T. S. R. Winter, Esq., C.E.	5	1	0	936	38.6	43.84	224	177
M	Lunedale (Keekham) T. S. R. Winter, Esq., C.E.	5	1	0	1660	62.1	77.90	...	...
M	Lunedale (Hargill) T. S. R. Winter, Esq., C.E.	5	1	5	1320	52.6	66.10	...	...

DIVISION X—NORTHERN COUNTIES

DURHAM. (Area, 1,011 sq. mi.)

1.—TEES & C. 396 sq. mi.									
D Darlington (South Park)	A. Peak, Esq.	5	1	0	150	27.1	27.68	182	132
D Darlington Waterworks	(+A) Borough Surveyor	5	1	0	161	...	28.10	190	138
D Darlington (Broken Scar)	T. S. R. Winter, Esq., C.E.	5	1	0	158	26.2	27.97	190	131
D Darlington (Fighting Cocks Res.)	T. S. R. Winter, Esq., C.E.	5	1	0	171	25.2	27.36	184	139
D Egglecliffe (St. Margarets)	S. H. Clarke, Esq.	8	1	2	100	24.0	33.69	204	144
D Barnard Castle (Bowes Museum)	T. Wake, Esq.	5	1	0	500	30.4	34.04	189	144
D Barnard Castle (County School)	Bursar	5	1	5	550	29.1	32.32	188	140
D Long Newton Reservoir	T. S. R. Winter, Esq., C.E.	5	0	9	184	25.5	29.25	203	154
d Stockton-on-Tees (Ropner Park)	Park Curator	5	0	10	61	22.9	29.06	...	136
D Stockton-on-Tees (Billingham)	(+A) Imperial Chem. Indust., Ltd.	5	1	6	35	23.3	28.82	216	145
d Stillington Park	A. Kendall, Esq.	5	1	0	140	27.1	30.73	...	147
d Eggleston (Wood Hill)	E. A. Smith, Esq.	5	1	0	1000	34.2	38.68	...	...
D Shildon (Eden Grange)	J. T. Petty, Esq.	5	1	3	384	...	26.68?	166	137
D Middleton-in-Teesdale (Newbiggin)	B. Jackson, Esq.	5	1	0	1000	44.2	47.14	229	166
D Forest-in-Teesdale	(+A) Postmistress	5	1	0	1250	...	60.10	245	186
D Embleton (Crookfoot Res.)	F. J. Webster, Esq.	8	1	0	293	25.4	28.67	209	149
D WEST HARTLEPOOL (The Clock)	H. Lamb, Esq.	5	1	0	20	...	31.32	217	150
D West Hartlepool (Waterworks)	F. J. Webster, Esq.	5	1	0	35	24.7	30.09	216	145
D Hurworth Burn Reservoir	F. J. Webster, Esq.	8	1	0	357	26.5	30.53	204	151
D Hartlepool (Hart Reservoir)	F. J. Webster, Esq.	8	1	0	172	...	27.38	211	138
D Shotton (New Winning P.S.)	A. G. McLellan, Esq. C.E.	8	1	0	402	29.4	35.06	221	155
D Easington (Mill Hill Res.)	A. G. McLellan, Esq. C.E.	8	1	0	521	...	34.36	203	151
D Seaham (Dalton Pumping Stn.)	A. G. McLellan, Esq., C.E.	8	1	0	345	27.0	34.13	223	159

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
DURHAM—(contd.).		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
2.—WEAR. 464 sq. mi.									
D Wolsingham (Shull) ...	Mrs. W. A. Mounsey ...	5	1	0	600	...	35·46	195	152
d Stanhope (Parson Byers Quarry) ...	Dorman, Long & Co., Ltd. ...	5	1	3	860	31·7	36·99	189	149
M Burnhope (Grass Meres) ...	J. A. Rodwell, Esq., C.E. ...	5	1	3	1850	59·1	66·16	...	...
M Burnhope (Lodgegill Mine) ...	J. A. Rodwell, Esq., C.E. ...	5	1	3	1950	61·4	67·06	...	...
D Burnhope Reservoir ...	J. A. Rodwell, Esq., C.E. ...	8	1	0	1165	...	58·85	230	195
M Cowshill (Wellheads Hush) ...	J. A. Rodwell, Esq., C.E. ...	5	1	6	1690	52·7	60·26	...	...
D Durham (HOUGHALL Hort. Station) ...	Director of Agriculture ...	5	1	0	160	26·4	32·92	194	136
D DURHAM (University Obsy.) ... (+A)	Director ...	5	1	0	336	24·6	31·66	189	139
D Durham (Neville Court) ...	J. A. Rodwell, Esq., C.E. ...	5	1	1	342	...	33·15	175	146
D Weardale W.W. (Tunstall Res.) ...	J. A. Rodwell, Esq., C.E. ...	8	1	2	724	32·4	39·22	196	166
D USHAW COLLEGE ...	President ...	5	1	0	594	28·2	34·13	194	150
M Weardale W.W. (Waskerley 6) ...	J. A. Rodwell, Esq., C.E. ...	8	1	0	1229	...	37·02	...	...
M Weardale W.W. (Waskerley 3) ...	J. A. Rodwell, Esq., C.E. ...	8	1	0	1433	...	39·15	...	...
D Weardale W.W. (Waskerley) ...	J. A. Rodwell, Esq., C.E. ...	8	1	0	1179	33·1	39·59	216	174
M Weardale W.W. (Waskerley 1) ...	J. A. Rodwell, Esq., C.E. ...	8	1	0	1317	...	35·56	...	...
D Lanchester (Craigmore) ...	Basil Sadler, Esq. ...	5	1	0	400	...	33·57	194	144
D Consett (Stockley House) ...	Mrs. J. Shackleton ...	5	1	6	642	...	33·35	182	146
D Lanchester (Langley Close) ...	Basil Sadler, Esq. ...	5	1	0	756	...	31·34	165	141
D South Moor (Colliery Office) ...	Basil Sadler, Esq. ...	5	1	0	616	...	33·76	179	151
D Ryhope Pumping Station ...	A. G. McLellan, Esq., C.E. ...	8	1	1	228	25·4	32·90	216	155
M Washington (Glebe Mod. School) ...	A. Robson, Esq. ...	5	1	2	160	...	32·09	...	...
D Sunderland (Mowbray Park) ...	Medical Officer of Health ...	5	1	0	105	25·6	33·45	194	152
3.—TYNE. LOWER. 151 sq. mi.									
D Hunstanworth (Presser Villa) ...	J. J. S. Wilkinson, Esq. ...	5	1	0	1350	...	36·84	216	161
D Weardale W.W. (Hisehope Res.) ...	J. A. Rodwell, Esq., C.E. ...	5	1	0	1450	...	39·85	228	170
D Weardale W.W. (Smiddy Shaw) ...	J. A. Rodwell, Esq., C.E. ...	8	1	3	1128	34·1	38·47	202	166
D Westwood Sewage Works ...	E. Simpkin, Esq., C.E. ...	5	0	8	255	...	31·95	194	149
D BIRTLEY ...	Durham Chemicals, Ltd. ...	5	1	0	87	...	31·46	195	147
D Ebchester (Blackhall Mill School) ...	Headmaster ...	5	0	6	180	...	28·71	190	145
D Rowlands Gill (CHOPWELLWOOD) ...	Forestry Commission ...	8	1	0	446	28·7	31·99	174	146
D Sunderland (Cleadon Pumping Stn.) ...	A. G. McLellan, Esq., C.E. ...	8	1	0	216	24·4	30·82	210	144
D South Shields (Bents Park) ...	Dr. W. Campbell Lyons ...	5	1	0	36	24·2	31·00	211	154
D South Shields (South Pier Works) ...	Tyne Improvement Commis. ...	5	1	0	17	...	30·43	215	146
NORTHUMBERLAND. (Area, 2,015 sq. mi.)									
1.—EDEN. 20 sq. mi.									
2.—SOUTH TYNE. 232 sq. mi.									
D Allenheads ...	T. S. Foggitt, Esq. ...	5	1	5	1350	...	54·76	236	180
D Whitfield Hall Gardens ...	Mr. Wm. Brown ...	5	1	6	750	...	48·07	243	185
D Haydon Bridge (Shaftoe Trust Sch.) ...	Headmaster ...	5	0	9	240	...	33·60	192	143
3.—TYNE. Lower. 227 sq. mi.									
D Newcastle (Leazes Park) ...	City Engineer ...	5	1	0	255	26·4	30·03	177	136
D Newcastle (Gosforth) ...	T. R. Dowdeswell, Esq. ...	5	1	0	246	...	32·43	207	138
D Throckley Filters ...	Newcastle & Gatesh'd W. Co. ...	5	1	1	300	...	31·53	206	149
D Hexham (Ridgway-on-Yarridge) ...	R. W. Gregory, Esq. ...	5	1	1	650	...	28·57	192	145
D Hexham Reservoir ...	Hexham U.D.C. ...	5	1	0	330	...	30·01	178	148
D Hexham (Widehaugh Nursery) ...	Forestry Commission ...	5	1	0	120	...	28·89	170	141
D N. Shields (Billy Mill Reservoir) ...	C. F. J. Lisle, Esq., C.E. ...	5	1	0	195	...	31·53	215	155
D Tynemouth (Tyne Pier Works) ...	Tyne Improvement Commis. ...	5	1	0	54	25·1	31·35	214	153
D TYNEMOUTH (C.G. Station) ...	Station Officer (M.O.) ...	8	1	0	108	24·5	28·96	195	146
D Whittle Dene Filters ...	Newcastle & Gatesh'd W. Co. ...	5	1	1	353	26·6	30·57	189	151
D Whittle Dene Reservoir ...	Newcastle & Gatesh'd W. Co. ...	5	1	0	380	25·3	29·11	197	143

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
NORTHUMBERLAND—(contd.).									
4.—NORTH TYNE. 433 sq. mi.									
d Barrasford ... ..	... Newcastle & Gatesh'd W. Co.	8	1	0	207	...	31·17	219	154
d Simonburn (Park End)... ..	... A. H. Ridley, Esq. ...	5	1	0	320	...	36·19	185	167
M Ryal Cottage ... ..	... Newcastle & Gatesh'd W. Co.	5	0	9	463	29·1	30·74	...	...
M Hallington Village ... ..	... Newcastle & Gatesh'd W. Co.	5	1	0	467	29·9	31·56	...	...
D Hallington Reservoir ... ..	... Newcastle & Gatesh'd W. Co.	5	1	0	470	29·3	31·14	206	151
M Hallington (Fawcett) ... ..	... Newcastle & Gatesh'd W. Co.	5	1	2	537	28·2	33·26	...	...
M Hallington (Cheviott) ... ..	... Newcastle & Gatesh'd W. Co.	5	1	2	576	27·8	33·58	...	...
M Camphill... ..	... Newcastle & Gatesh'd W. Co.	5	1	0	650	29·4	35·07	...	...
D Colt Crag Reservoir ... ..	... Newcastle & Gatesh'd W. Co.	5	1	0	654	29·3	36·08	224	188
D Falstone (Hope House) ... ..	... Northumberland River B. ...	5	1	0	1027	...	51·01	254	196
M Green Crag ... ..	... Newcastle & Gatesh'd W. Co.	5	1	0	900	30·4	37·25	...	...
D BELLINGHAM (Highgreen) ... ..	... Sir Charles Morrison-Bell Bt.	5	1	0	849	35·4	37·33	234	167
D KIELDER CASTLE ... ..	... Forestry Commission ...	5	1	7	674	...	51·38	234	187
D §Kielder (Ridge End) ... ..	... Newcastle & Gatesh'd W. Co.	5	1	0	851	...	48·32	221	194
D §Kielder (Kielder Head) ... ..	... Newcastle & Gatesh'd W. Co.	5	1	0	807	...	48·17	233	189
M §Kielder (Oh Me Edge) ... ..	... Newcastle & Gatesh'd W. Co.	8	1	0	1480	...	49·58	...	...
M §Kielder (Carry Burn) ... ..	... Newcastle & Gatesh'd W. Co.	5	1	0	1043	...	44·07	...	...
M §Kielder (Little Gunn's Cleugh) ... ..	... Newcastle & Gatesh'd W. Co.	8	1	0	1110	...	48·20	...	...
M §Redewater (Countess Crag) ... ..	... Newcastle & Gatesh'd W. Co.	5	1	0	1600	...	50·20	...	...
M Redewater (Chattlehope) ... ..	... Newcastle & Gatesh'd W. Co.	5	1	0	1100	...	50·96	...	...
D Redewater (Catcleugh) ... ..	... Newcastle & Gatesh'd W. Co.	5	1	0	819	...	48·42	258	211
W §Redewater (Game Park) ... ..	... Newcastle & Gatesh'd W. Co.	5	1	0	900	...	49·51	...	...
§Redewater (Black Cleugh) ... ..	... Newcastle & Gatesh'd W. Co.	5	1	0	1050	...	48·01	...	...
5.—COQUET & C. 840 sq. mi.									
M Whittington ... ..	... Newcastle & Gatesh'd W. Co.	8	1	0	528	28·1	29·46	...	...
M Burnside ... ..	... Newcastle & Gatesh'd W. Co.	8	1	0	528	27·2	28·16	...	...
D Whitley Bay (Marden House) ... ..	... R. J. Oliver, Esq. ...	5	1	0	100	...	32·75	244	160
D Kirkwhelpington ... ..	... J. Wardle, Esq. ...	5	1	3	581	...	39·21	217	158
D Morpeth (COCKLE PARK) ... ..	... King's Coll. Newcastle								
	Dept. Ag. ...	5	1	0	325	28·7	32·51	215	156
D Morpeth (Tritlington School) ... ..	... J. E. Archbold, Esq. ...	5	0	8	250	...	32·34	217	148
D Font Res. (Tynemouth W.W.) ... ..	... C. F. J. Lisle, Esq., C.E. ...	10	1	2	620	31·1	36·57	225	182
D ACKLINGTON Airfield ... ..	... Meteorological Office ...	5	1	0	138	...	31·11	212	158
D Amble ... ..	... Amble U.D.C. ...	5	1	0	12	...	31·94	211	160
D Callaly Castle Gardens ... ..	... G. Milne, Esq. ...	5	1	2	350	...	31·68	205	157
D Cheviot Hills (Carshope) ... ..	... Northumberland River B.	5	1	0	904	...	39·76	196	162
D Howick Hall Gardens ... ..	... The Rt. Hon. Earl Grey ...	8	1	0	110	28·2	31·73	222	155
D Stamford ... ..	... W. Robertson, Esq. ...	5	1	0	175	...	30·18	212	151
D Doxford Hall ... ..	... Rt. Hon. Viscount Runciman	5	1	0	175	...	30·48	205	156
D Chathill (Preston Tower) ... ..	... H. Baker Cresswell, Esq. ...	8	1	0	140	28·3	30·76	203	163
D Belford (Newlands) ... ..	... Miss C. J. H. Sanderson ...	5	4	8	160	...	23·92	207	145
6.—TWEED. 262 sq. mi.									
D Cheviot Hills (Linhope) ... ..	... Northumberland River B.	5	1	0	600	...	43·80	194	167
D Ilderton (Lilburn Tower Gdns.) ... ..	... Mr. C. Lovett ...	5	1	0	250	30·4	29·74	182	144
D Mindrum ... ..	... Northumberland River B.	5	1	0	300	...	29·52	202	162
d Cornhill (Pallinsburn) ... ..	... Mrs. A. Turnbull ...	5	1	0	135	...	25·27	...	...
D BERWICK-ON-TWEED (Ramparts) ... ..	... Borough Surveyor ...	5	1	0	76	23·4	22·34	201	134
7.—INSULAR. 1 sq. mi.									

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
CUMBERLAND. (Area, 1,516 sq. mi.)									
1.—EDEN & SOLWAY. 887 sq. mi.									
D Watermillock (Lake View) ...	... T. Slee, Esq....	5	0	8	560	...	60.43	222	179
D Penrith (Hutton John) ...	... late F. Hudleston, Esq. ...	5	1	0	688	45.1	51.16	203	174
d Penrith School ...	... Headmaster ...	5	1	6	850	...	53.60	...	...
D Penrith (Arthur Street) ...	... Mrs. E. Sinclair ...	5	1	0	500	36.4	40.79	227	169
d Penrith (Castle Park) ...	... Engineer & Surveyor ...	5	1	0	490	...	39.10	...	...
D Uldale (Chapel House Res.) ...	... J. R. Watters, Esq. ...	8	1	0	620	46.2	51.31	223	207
d Penrith (Nunwick Hall) ...	... Lt.-Col. C. H. F. Thompson ...	5	2	0	258	31.8	36.24	220	157
D Penrith (Great Salkeld) ...	... Rev. G. A. K. Hervey ...	5	1	0	350	...	35.96	223	160
D Troutbeck (Wellbank) ...	... Miss R. A. S. Streatfield ...	5	1	0	800	...	73.91	217	185
D Renwick ...	... R. Eden Catchment Board ...	5	1	0	712	...	43.56	230	165
D Wigton (Brookfield) ...	... J. Carruthers, Esq., B.A., B.Sc. ...	5	1	0	124	36.7	37.44	210	162
d Wreay Vicarage ...	... Rev. J. Sanderson ...	5	6	0	300	31.5	35.40	...	...
D SILLOTH Airfield ...	... Meteorological Office ...	5	1	0	24	...	41.43	203	160
D Geltsdale ...	... L. J. A. Stow, Esq. ...	5	1	2	778	36.8	43.69	221	183
D Carlisle (Spital Cemetery) ...	... Superintendent ...	8	1	0	114	31.8	35.87	220	158
Carlisle (Denton Holme) ...	... E. J. M. Lawson, Esq. ...	5	1	0	57	30.1	35.96	...	...
D Carlisle (Rose Hill) ...	... H. Lonsdale, Esq. ...	8	1	3	105	...	39.70	212	156
D Carlisle (Sewage Works) ...	... L. J. A. Stow, Esq. ...	5	1	0	39	...	34.62	203	159
d Longtown (C.A.D.) ...	... Officer in Charge ...	5	1	10	25	...	38.76	...	...
D Bewcastle (Stockstead) ...	... Border R.D.C. ...	5	1	0	750	47.5	52.83	227	186
2.—DERWENT. 257 sq. mi.									
M Styehad B. ...	... F. Bainbridge, Esq., for M.O. ...	5	0	6	1070	145.7	203.75	...	...
M Borrowdale (Stockley Bridge) ...	... F. Bainbridge, Esq., for M.O. ...	5	1	0	585	130.9	165.50	...	...
M Borrowdale (Seathwaite) ...	... F. Bainbridge, Esq., for M.O. ...	5	1	0	423	...	143.50	...	...
M Helvellyn (Hill Top Gill) ...	... Manchester Corp'n. W.W. ...	5	1	0	1050	...	115.23	...	...
M §Ullscarf ...	... Manchester Corp'n. W.W. ...	5	1	0	2100	119.8	127.29	...	...
Thirlmere (The Nook) ...	... Manchester Corp'n. W.W. ...	8	...	...	700	...	109.38	265	216
M Helvellyn (Birkside) ...	... Manchester Corp'n. W.W. ...	5	1	0	1900	...	104.29	...	...
M Wythburn ...	... Manchester Corp'n. W.W. ...	5	1	0	610	96.8	113.47	...	...
M Helvellyn (Brown Rigg) ...	... Manchester Corp'n. W.W. ...	5	1	0	1450	112.0	132.75	...	...
D Borrowdale (The Moraine) ...	... W. Benstead, Esq. ...	5	1	0	330	...	103.50	206	195
M Helvellyn (Brown Cove) ...	... Manchester Corp'n. W.W. ...	5	1	0	2250	...	107.84	...	...
D Watendlath Farm ...	... W. Tyson, Esq., for M.O. ...	5	1	0	800	88.5	98.53	206	197
D §Thirlmere (Dale Head Hall) ...	... Manchester Corp'n. W.W. ...	5	1	0	620	86.7	99.02	258	219
D Keswick (Derwent Island) ...	... Denis Marshall, Esq. ...	5	1	0	290	57.0	65.86	218	186
D KESWICK (High Hill) ...	... Clerk to the U.D.C. ...	5	1	0	254	54.9	65.15	226	184
D Braithwaite (Black Wood) ...	... C. Barnes, Esq. ...	8	1	0	400	60.3	76.42	221	182
d Keswick (Mirehouse) ...	... Miss Spedding ...	5	1	1	280	49.8	59.78	187	159
D Workington (Stainburn Res.) ...	... H. Kay, Esq. C.E. ...	5	1	0	180	36.9	48.72	192	159
D Cockermouth (South Lodge) ...	... Capt. J. Upton Armstrong ...	5	1	0	242	...	51.13	218	174
3.—WEST COAST STREAMS. 235 sq. mi.									
Bootle (Fellside) ...	... Millom R.D.C. ...	5	1	0	265	...	48.33	...	...
D Ravenglass (The Grove) ...	... G. T. A. Ogilvie, Esq. ...	5	1	0	70	42.5	48.56	213	189
D SELLAFIELD (Windscale Wks.) ...	... Ministry of Supply (M.O.) ...	5	1	0	43	...	46.89	207	170
D Gosforth (Netherwasdale) ...	... J. M. Sewell, Esq. ...	5	1	0	180	...	70.98	207	193
D Braystones ...	... H. H. Watson, Esq. ...	5	1	0	36	37.5	49.16	213	174
M Beckermeth (Bankfield) ...	... J. R. Atkinson, Esq. ...	5	1	0	132	...	46.46	...	...
M Wast Water (Wasdale Head) ...	... H. H. Watson, Esq. ...	5	1	0	280	...	114.75	...	...
M Ennerdale (Gillerthwaite) ...	... H. H. Watson, Esq. ...	5	1	0	445	...	93.15	...	...
D Whitehaven (Stanley Pond) ...	... National Coal Board ...	5	1	6	45	47.5	55.07	210	175
D Whitehaven (Scragill Res.) ...	... Engineer & Surveyor ...	8	1	0	188	43.5	45.99	226	165

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			above	Sea Level				or more	or more
CUMBERLAND—(contd.).									
		in.	ft.	in.	ft.	in.	in.		
4.—DUDDON & C. 50 sq. mi.									
D Millom (Lanthwaite) ...	... Millom R.D.C. ...	5	1	0	165	...	62·40	227	190
D §Ulpha ...	... Engineer, Barrow ...	5	1	0	251	...	87·80	243	208
5.—SOUTH TYNE. 87 sq. mi.									
D Nenthead (Whitehall House) ...	... J. A. Price, Esq. ...	5	0	6	1672	...	62·97	246	189
D Alston Vicarage... ..	... Rev. N. A. Walton ...	5	1	0	940	44·7	52·36	229	186
WESTMORLAND. (Area, 783 sq. mi.)									
1.—EDEN. 373 sq. mi.									
D Kirkby Stephen (Eden Place) ...	... Miss Marcia Mason J.P. ...	5	1	0	544	42·3	45·38	216	160
M Mosedale (Mosedale Cottage) ...	... Manchester Corpn. W.W. ...	5	1	0	1443	87·8	105·29	...	...
M §Mosedale (Artle Crag) ...	... Manchester Corpn. W.W. ...	5	1	0	2134	...	(108·62)	...	...
Wet Sleddale (Mirethwaite) ...	... Manchester Corpn. W.W. ...	5	1	0	995	64·7	81·17	...	...
M §Blea Water ... ..	... Manchester Corpn. W.W. ...	5	1	0	1400	104·0	93·73	...	...
§Sleddale (High Wether Howe) ...	... Manchester Corpn. W.W. ...	5	1	0	1620	...	(85·89)	...	...
Swindale Parsonage ... ..	... Manchester Corpn. W.W. ...	5	1	0	875	70·0	67·22?	...	...
§Mardale (Whelter) ... ..	... Manchester Corpn. W.W. ...	5	1	0	819	...	99·23	...	...
Shap (Thornship Gill) ... ..	... Manchester Corpn. W.W. ...	5	1	0	844	57·3	62·93	...	...
§Mardale (Guerness) ... ..	... Manchester Corpn. W.W. ...	5	1	0	905	...	86·49	...	...
§Shap (Tailbert Head) ... ..	... Manchester Corpn. W.W. ...	5	1	0	1100	55·6	62·12	...	...
M §Hawes Water (Wallow Crag) ...	... Manchester Corpn. W.W. ...	5	1	0	1412	72·1	(88·10)	...	...
M Hawes Water (Naddle House) ...	... Manchester Corpn. W.W. ...	5	1	0	825	60·5	68·52	...	...
Hawes Water (Sandhills) ... ..	... Manchester Corpn. W.W. ...	...	...	...	824	69·6	81·39	...	...
Measand Beck (Keasgill) ... ..	... Manchester Corpn. W.W. ...	5	1	0	1800	82·7	86·49	...	...
D §Hawes Water (Burn Banks) ...	... Manchester Corpn. W.W. ...	5	1	0	835	65·0	74·35	246	191
D Patterdale Hall ... ..	... Mr. T. Atkinson ...	5	1	3	490	86·7	101·86	208	192
d Patterdale (Greenside Mine) ...	... Basinghall Mining Synd. Ltd.	5	0	9	1081	91·9	111·40	174	149
M §Bampton (Sealhole Grain) B.	... Manchester Corpn. W.W. ...	5	1	0	1750	...	(92·78)	...	...
Bampton (Stanegarh) ... ..	... Manchester Corpn. W.W. ...	5	1	0	913	59·5	68·59	...	...
M Cawdale Beck (Howe Grain) ...	... Manchester Corpn. W.W. ...	5	1	0	1642	67·6	71·21	...	...
Heltondale (Kidmoor) ... ..	... Manchester Corpn. W.W. ...	5	1	0	1043	...	71·31	...	...
D Appleby (Castle) ... ..	... R. Eden Catchment Board	5	1	0	480	35·0	37·36	223	159
Appleby (Bongate Cross) ... ..	... E. H. Illingworth, Esq. ...	5	0	10	520	...	37·00	...	...
D Penrith (Lowther Castle) ... ..	... Mr. J. Jeffrey ...	5	1	0	750	41·8	45·94	196	163
D Penrith (Barton House) ... ..	... Mrs. Legh Tolson ...	5	1	0	500	42·4	45·71	222	175
d Temple Sowerby ... ..	... R. Eden Catchment Board	5	1	0	355	...	33·74	222	155
2.—LEVEN. 60 sq. mi.									
D Windermere (Nurseries) ... ..	... Windermere U.D.C. ...	5	0	10	350	61·6	73·63	207	187
D Windermere (Holehird) ... ..	... H. L. Groves, Esq. ...	5	1	0	500	68·0	77·53	253	205
d Windermere (Brockhole) ... ..	... C. Bateman, Esq. ...	5	0	8	175	66·3	73·20	234	186
D Windermere (Briery Close) ... ..	... Mrs. E. L. Hedley ...	5	1	0	325	...	73·31	234	191
d Troutbeck (The Howe) ... ..	... Miss P. M. Molyneux ...	5	0	9	496	...	78·54	231	193
D AMBLESIDE ... ..	... The Lakes U.D.C. (Clerk)...	5	1	0	145	70·9	81·47	234	202
D Rydal (High Close) ... ..	... F. E. T. Jones Balme, Esq.	8	0	9	553	83·3	96·31	237	195
D Rydal (The Hall) ... ..	... R. E. Porter, Esq. ...	5	1	0	354	...	90·06	223	193
D Great Langdale (Long House) ...	... Mrs. G. Satow ...	5	1	0	340	...	122·14	242	210
D Grasmere (Meadow Brow) ... ..	... J. Abbott, Esq. ...	5	1	0	350	...	102·47	242	217
3.—KENT. 188 sq. mi.									
D Heversham (Plumtree Hall) ... ..	... Miss Lilian Watson ...	5	1	0	120	45·7	48·96	215	175
d Levens (Beathwaite) ... ..	... John A. Bush, Esq. ...	5	1	2	125	46·8	61·64	234	174
d Killington Reservoir ... ..	... Docks & Inland Waterways	5	1	0	670	49·8	62·07	...	185

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of				Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Ground above Sea Level					
		in.	ft.	in.	ft.	in.	in.		
WESTMORLAND—(contd.).									
3.—KENT—(contd.).									
D Kendal School	N. Whitton, Esq.	5	1	0	136	...	59.53	210	173
D Kendal Gasworks	Gas Engineer	5	1	3	146	48.2	57.10	204	171
D Kendal (Fisher Tarn Res.)	Water Engineer	5	1	0	742	51.7	63.08	237	183
D Kendal (Ellergreen)	J. W. Cropper, Esq.	5	1	6	270	58.2	70.16	234	194
4.—LUNE. 122 sq. mi.									
D Kirkby Lonsdale (Lunefield)	A. Robinson, Esq.	5	2	0	205	46.0	56.52	186	169
5.—TEES. 40 sq. mi.									
Lunedale (Conny Pot)	T. S. R. Winter, Esq., C.E.	5	1	0	1840	...	67.90	...	...

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS

MONMOUTHSHIRE. (Area, 534 sq. mi.)

1.—RHYMNEY. 39 sq. mi.									
D Machen (Machen Quarry)	Machen Quarries, Ltd.	5	2	0	250	...	58.78	221	173
2.—EBBW. 88 sq. mi.									
D Rogerstone (Newport Golf Links)	W. H. Halsey, Esq.	5	0	8	304	...	54.80	212	162
D Abercarn (Nantydraenog Res.)	W. Cory Goddard, Esq., C.E.	5	1	0	715	...	63.30	222	181
D Blackwood	T. J. Jones, Esq.	5	0	10	630	...	62.76	229	176
D Abertillery (The Park)	Medical Officer of Health	5	1	0	600	57.2	63.26	220	181
D Cwmtillery Reservoir	W. Cory Goddard, Esq., C.E.	5	1	0	1130	...	60.89	220	181
D Tredegar (Poplar Road)	S. L. Filer, Esq.	5	1	6	963	...	64.79	213	185
d Tredegar Laboratory	National Coal Board	5	2	0	950	...	64.56	(232)	(186)
D TREDEGAR (Bedwellty Park)	Urban District Council	5	1	0	992	...	65.50	220	194
D Ebbw Vale (Iron Works)	Richard Thomas & Baldwins	8	1	0	902	...	57.61	215	174
D Ebbw Vale W.W. (Carno S.)	J. Grafton Hoskins, Esq., C.E.	5	1	0	1262	...	62.04	228	183
d Beaufort (Blaen-y-Cwm Reservoir)	Richard Thomas & Baldwins	8	1	0	1340	...	64.81	(256)	(202)
3.—USK & C. 290 sq. mi.									
D Portskewett (Sudbrook)	British Railways	8	1	0	51	...	39.42	168	132
D NEWPORT (Hospital)	Medical Officer of Health	8	1	0	265	...	51.35	220	162
D Newport W.W. (Friar St. Yard)	Newport Corporation	5	6	0	32	...	46.48	200	160
D Newport W.W. (Ynis-y-fro Res.)	Newport Corporation	5	1	0	130	...	45.39	204	147
D Newport W.W. (Pant-yr-eos Res.)	Newport Corporation	5	1	0	485	...	60.33	235	177
D Newport W.W. (Llanvaches)	Newport Corporation	5	0	10	456	...	40.38	197	142
D Newport W.W. (Nantypridd)	Newport Corporation	5	1	0	500	...	49.49	199	155
d Chepstow (Itton Court)	Lady Curre	5	1	0	390	...	45.40	...	149
D Newport W.W. (Newchurch)	Newport Corporation	5	1	0	550	...	48.13	200	158
D Usk	Monmouth Agric. Institute	5	1	0	70	...	42.46	183	153
d Blaenavon (Estate Office)	Estate Agent	8	1	0	1144	55.1	85.77	...	...
D Abergavenny (Parc Llettis)	Mrs. L. Whitehead, O.B.E.	5	1	0	325	...	39.93	187	139
D Abergavenny (Plas Derwen)	Alan Whitehead, Esq.	5	1	6	200	...	42.90	185	146
D Abergavenny (Ty-Clyd)	F. D. Llewelyn, Esq.	5	1	0	272	45.1	46.50	200	154
D Abergavenny (Richmond Road)	Miss E. A. Edmunds	8	1	0	256	40.6	41.33	173	138
D Abergavenny (Larchfield)	Medical Superintendent	5	1	0	240	37.5	39.75	175	144
D Grwyne Fawr (Coed Dias)	Miss Baker-Gabb	5	1	0	950	44.6	46.65	226	181
Chepstow (Bethdour)	Chepstow Water Co.	8	4	3	176	...	41.16	...	...

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
MONMOUTHSHIRE—(contd.).									
4.—WYE. 117 sq. mi.									
D Monmouth (Cornwall House)	... P. G. Harvey, Esq., M.D.	5	0	11	55	...	32.73	173	135
D Skenfrith...	... W. J. Hamer, Esq.*	5	1	0	140	...	34.32	186	141
D Trewyn ...	... Mrs. C. C. Molyneux	5	0	10	500	...	43.88	197	167
D Grosmont ...	... Miss D. K. Estcourt	5	1	0	420	...	38.45	187	147
GLAMORGAN. (Area, 808 sq. mi.).									
1.—LOUGHOR. 55 sq. mi.									
D Felindre (Blaennant-Ddu) S. ...	... T. Price, Esq., C.E.	5	1	3	346	...	70.71	259	212
D Felindre (Blaennant-Ddu) N. ...	... T. Price, Esq., C.E.	5	1	0	412	...	74.51	263	216
D Felindre (Lower Lliw Res.) ...	... T. Price, Esq., C.E.	8	1	0	416	...	72.90	259	214
D Felindre (Upper Lliw Reservoir)	... T. Price, Esq., C.E....	8	1	3	599	...	79.96	249	212
2.—GOWER PENINSULA. 62 sq. mi.									
D Gower (Penrice Castle) ...	... Major B. C. Smartt	5	2	0	20	...	52.87	232	182
d Penmaen (Cefn Môr) ...	... Mrs. R. S. Palmer	5	1	6	300	41.5	54.26	201	182
3.—TAFE. 47 sq. mi.									
D SWANSEA (Victoria Park) ...	(+A) Town Clerk	8	1	0	32	44.7	51.35	223	192
d Clydach (Wernfadog) ...	... C. G. Bellingham, Esq.	8	1	0	400	...	68.04	...	...
d Clydach ...	... Mond Nickel Co., Ltd.	5	1	4	78	...	67.02	230	196
D Ystalyfera (Wern House) ...	... Miss L. Williams	5	1	6	240	64.8	83.92	228	208
4.—NEATH. 82 sq. mi.									
D Briton Ferry (Cefn Court) ...	... Borough Engineer, Neath	5	1	0	503	47.7	55.74	222	202
D Neath (Oil Refineries) ...	... National Oil Refineries, Ltd.	5	1	0	145	...	58.00	232	197
d Neath (Cimla Reservoir) ...	... Borough Engineer	5	1	0	360	...	(64.18)	(227)	(197)
D Neath (Gnoll Reservoir) ...	... Borough Engineer	5	1	0	204	52.1	60.09	222	200
D Neath (Brynteg) ...	... H. P. Lloyd, Esq.	5	0	9	100	...	65.37	232	203
D Neath (Glynfelin) ...	... T. Gibbins, Esq.	5	1	4	180	...	69.77	232	206
D Rhondda W. W. (Llyn Fawr Res.) <i>newg.</i>	J. B. Hughes, Esq.	5	1	0	1220	88.6	109.32	236	221
D Resolven (Brynewelon) ...	... Forestry Commission	5	1	0	250	...	75.91	235	202
5.—OGMORE & C. 350 sq. mi.									
D St. Athan ...	... H. Thomas, Esq.	5	1	0	50	...	53.14	188	178
d Lower Penarth ...	... Surveyor	5	1	0	66	34.9	46.60	198	163
D Penarth (Cemetery) ...	... Surveyor	5	1	0	99	...	46.97	204	166
D Penarth (West House) ...	... Surveyor	5	1	0	148	37.1	49.59	212	176
d Dunraven Castle ...	... Dunraven Estates Co. Ltd.	5	1	0	71	...	45.79	...	...
D Cardiff (Cogan Pumping Station)	... G. W. Cöver, Esq., C.E.	5	1	0	121	37.7	49.78	201	174
d Cowbridge (Tair Onen Nursery)	... Forestry Commission	5	1	0	421	...	55.15	...	...
D Cardiff (St. Fagan's Castle) ...	... Mr. A. W. Pearce	5	1	0	100	48.5	55.41	211	182
D Cowbridge (Pentre Meyrick) ...	... F. E. P. Dunn, Esq.	5	1	0	300	...	55.30	239	186
d Cowbridge (Pwllwy) ...	... Mid-Glamorgan Water Bd.	5	1	0	92	...	53.77	214	190
D PORTHCAWL (Griffin Park) ...	... Urban District Council	5	1	0	19	...	47.32	204	174
Merthyr Mawr (Schwyll) ...	... Mid-Glamorgan Water Bd.	5	1	3	45	...	48.72	...	...
Merthyr Mawr ...	... R. I. Nicholl, Esq.	5	1	0	75	42.9	53.58	...	...
D Bridgend (Erw Graig) ...	... Mid-Glamorgan Water Bd.	8	1	6	50	...	54.99	251	199
D Llanharan (Sewage Works) ...	... H. Thomas, Esq.	5	1	0	175	...	62.44	217	192
D Llangainor (Blackmill Hospital)	... Matron	5	0	8	703	...	70.77	226	224
d Port Talbot (Aberavon) ...	... Borough Engineer	5	1	9	57	...	(51.95)	(228)	(197)
D Maesteg (Salisbury Road) ...	... H. L. Davies, Esq.	5	1	0	560	...	81.69	227	203
D Maesteg (Isolation Hospital) ...	... Engineer & Surveyor	8	1	0	600	...	81.37	225	206

* Per River Wye Catchment Board.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES		Rain-gauge		Average Rain-fall	1950				
				Diam.	Height of Rim above Ground		Height of Ground above Sea Level	Rain-fall	Days with .01 in. or more	Days with .04 in. or more	
GLAMORGAN—(contd.).				in.	ft.	in.	ft.	in.			
5.—OGMORE & C.—(contd.).											
D	Maesteg (Welfare Park)	...	... Engineer & Surveyor	5	1	0	550	...	89.98	240	215
d	Pontycymmer	...	... Mid-Glamorgan Water Bd.	8	1	0	560	...	95.24	...	208
D	Ogmore Vale	...	... Mid-Glamorgan Water Bd.	8	1	2	580	...	109.26	229	212
6.—TAFF. 157 sq. mi.											
D	Rhubina Reservoir	...	... G. W. Cover, Esq., C.E.	5	1	0	336	48.1	58.53	217	178
D	Pontypridd (Ty-Gwyn Res.)	...	... Pontypridd & Rhondda W.B.	5	1	0	725	...	73.03	229	202
D	Pontypridd (Treforest Secondary Sch.)	...	... Headmaster	5	1	0	360	...	73.62	221	188
D	Pontypridd (Boys' Grammar Sch.)	...	... E. G. Mort, Esq.	5	1	1	330	...	70.19	217	181
D	Pontypridd (Lan Wood Reservoir)	...	... Pontypridd & Rhondda W.B.	5	1	6	300	...	73.57	218	190
D	Porth Park	...	... A. H. Gillard, Esq.	5	1	0	400	...	86.14	218	199
D	Pontypridd (Llanfabon)	...	... Pontypridd & Rhondda W.B.	5	1	0	600	...	70.82	224	194
D	Ystradyfodwg (Tyntyla Hospital)	...	... Medical Officer of Health	5	1	0	590	...	84.92	223	196
D	§Gelli-galed Recreation Ground	...	... A. H. Gillard, Esq.	5	1	0	475	...	88.58	221	200
D	§Treorchy Pumping Stn.	...	... A. H. Gillard, Esq.	5	1	0	515	...	102.75	239	214
D	Ferndale Park	...	... A. H. Gillard, Esq.	5	1	0	860	...	95.25	216	197
d	Treharris Service Reservoir	...	... D. C. W. Jones, Esq., C.E.	5	1	3	765	52.3	62.26	182	178
D	Treherbert Park	...	... A. H. Gillard, Esq.	5	1	0	600	...	107.98	243	215
D	Mountain Ash (Darranlas Res.)	...	... Engineer & Surveyor	5	0	11	540	63.0	72.41	219	187
D	§Treherbert (Tyn-y-waun) new g.	...	... J. B. Hughes, Esq.	5	1	0	801	87.0	108.92	229	212
D	Rhondda (Castell Nos Res.)	...	... Pontypridd & Rhondda W.B.	5	1	0	1060	...	101.24	237	208
D	Rhondda (Lluest Wen Filter) new g.	...	... Pontypridd & Rhondda W.B.	5	1	0	1200	...	101.69	238	211
D	Rhondda (Lluest Wen Res.)	...	... Pontypridd & Rhondda W.B.	5	1	0	1280	89.0	111.18	238	213
D	Merthyr Tydfil (Penybryn Filters)	...	... D. C. W. Jones, Esq., C.E.	5	1	3	937	54.0	61.04	239	219
D	Merthyr Tydfil (Ardwyn)	...	... F. L. G. Bevan, Esq.	5	1	0	770	...	61.28	225	189
D	Dowlais	...	... Imperial Chem. Industries	5	1	7	1075	...	64.03	229	200
D	Dowlais (Gwernllwyn)	...	... A. F. Adams, Esq.	5	1	0	1071	51.4	59.91	240	201
D	Dowlais (Garth Filter Beds)	...	... A. C. Quiningborough, Esq.	5	1	0	1245	...	65.26	235	204
7.—RHYMNEY. 55 sq. mi.											
D	Cardiff (Roath Park)	...	... Chief Officer of Parks	5	1	0	51	41.6	46.10	212	165
D	CARDIFF (Penylan)	...	... (+A) Medical Officer of Health	5	1	0	202	41.4	47.89	206	167
D	Cardiff (Heath Filters)	...	... G. W. Cover, Esq., C.E.	5	1	0	132	41.3	50.38	236	172
D	Llanishen Reservoir	...	... G. W. Cover, Esq., C.E.	5	1	0	155	39.4	50.04	212	169
D	Ystrad Mynach (Park Lane)	...	... E. B. Johnston, Esq.	5	1	0	506	...	65.06	222	182
D	Rhymney Bridge Reservoir	...	... Engineer	8	0	6	1150	...	65.84	239	202
CARMARTHENSHIRE. (Area, 918 sq. mi.)											
1.—TEIFI. 87 sq. mi.											
2.—TOWY & C. 715 sq. mi.											
d	Whitland	...	... Wilts United Dairies, Ltd.	5	1	0	60	...	65.32	217	199
D	Carmarthen (Farm Institute)	...	... Principal	5	1	0	17	...	62.02	229	197
D	Carmarthen (Cwmoernant Res.)	...	... G. L. Owens, Esq.	5	1	0	135	...	63.26	248	221
D	Carmarthen (Fryn-hir)	...	... C. V. Lewis, Esq.	5	1	0	155	...	64.74	215	190
D	Llandilo (Dynevor Castle)	...	... Mr. Ben Davies	8	1	0	202	53.2	61.84	258	206
w	Llyn-y-fan Fach (Waen Sychlwch)	...	... Llanelly R.D.C.	5	1	0	1647	103.0	118.52	...	...
D	Llyn-y-fan Fach (Nant Coch)	...	... Llanelly R.D.C.	5	1	0	1172	77.8	88.71	223	212
w	Llyn-y-fan Fach (Bua'r Llyn)	...	... Llanelly R.D.C.	5	1	0	1650	102.0	122.49	...	...
d	Llyn-y-fan-Fach (Troed-y-Foel)	...	... Llanelly R.D.C.	5	1	0	867	...	81.87	223	209
D	Llandeusanant (Pontcrynfe)	...	... J. Thomas, Esq.	5	1	0	323	55.6	64.87	257	205
D	Conwil-Elvit (Cwmtawel Res.)	...	... G. L. Owens, Esq.	5	1	0	350	...	75.85	249	214

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES		Rain-gauge		Average Rain-fall	1950		
				Diam.	Height of		Rain-fall	Days with	Days with
					above	Ground			
				Ground	Sea Level				
CARMARTHENSHIRE—(contd.).				in.	ft.	in.	ft.	in.	in.
2.—TOWY & C.—(contd.).									
D	Brechfa	...	Capt. C. Joynson	5	1	0	290	...	82.22 257 210
D	Abergorlech	...	S. L. Davies, Esq.	5	1	0	245	...	74.46 230 203
D	Llandovery (Nantyrhogfaen)	...	D. T. M. Jones, Esq.	5	1	0	249	50.8	61.31 251 214
D	Cynghordy (Clynsaer)	...	B. R. Gibbons, Esq.	5	1	0	490	...	57.73 210 193
D	Rhandirmwyn (Nantwyn)	...	Capt. H. R. H. Vaughan	5	1	0	475	...	69.65 246 212
3.—LOUGHOR & C. 104 sq. mi.									
D	Llanelly (Filter Beds)	...	Llanelly U.D.C.	5	1	0	237	48.7	60.30 231 204
D	Llanelly (Cwmlledi W.W.)	...	Llanelly U.D.C.	5	1	1	240	48.7	59.75 233 205
d	Pembrey (The Colony)	...	Forestry Commission	5	1	0	19	...	49.09 ...
D	Llanelly (Upper Lliedi Res.)	...	Llanelly U.D.C.	5	0	11	290	...	59.11 233 198
D	Kidwelly	...	Llanelly U.D.C.	5	1	6	60	...	58.46 228 198
w	Llannon Reservoir	...	Llanelly U.D.C.	5	1	0	860	...	(73.50) ...
4.—TAWE. 7 sq. mi.									
5.—USK. 5 sq. mi.									
	Upper Usk 1	...	T. Price, Esq., C.E.	5	1	0	990	...	63.90 236 212
M	Upper Usk 2	...	T. Price, Esq., C.E.	5	1	0	1390	...	62.75 ...
M	Upper Usk 3	...	T. Price, Esq., C.E.	5	1	0	1350	...	63.25 ...
M	Upper Usk 4	...	T. Price, Esq., C.E.	5	1	0	990	...	66.50 ...
M	Upper Usk 5	...	T. Price, Esq., C.E.	5	1	0	1090	...	76.59 ...
M	Upper Usk 6	...	T. Price, Esq., C.E.	5	1	0	1390	...	88.00 ...
6.—WYE.									
PEMBROKESHIRE. (Area, 617 sq. mi.)									
1.—TEIFI. 37 sq. mi.									
2.—NEVERN & C. 91 sq. mi.									
D	Goodwick (Trenwydd)	...	Mrs. G. M. Johns	5	1	0	300	...	48.71 217 177
3.—WEST COAST STREAMS. 82 sq. mi.									
4.—CLEDDAU & C. 407 sq. mi.									
d	Pembroke (Stackpole Court)	...	Mr. F. G. Garlick	6	1	0	60	39.3	46.06 ...
D	TENBY (The Priory)	...	Borough Council	8	1	0	64	40.9	51.13 222 178
D	ST. ANN'S HEAD (C. Guard Station)	...	Station Officer (M.O.)	8	1	0	142	37.1	46.75 217 175
D	PEMBROKE DOCK	...	Meteorological Office	5	1	0	25	...	50.22 218 164
D	Milford Haven (Grammar School)	...	C. Davies, Esq.	5	1	0	170	...	42.25 199 168
D	HAVERFORDWEST (Hospital Grounds)	...	Borough Surveyor	5	1	0	133	...	53.33 (235) (190)
D	Maenclochog (Ddolwen Bridge)	...	Prescilly Water Board	5	1	0	740	...	77.27 229 208
d	Letterston (Trecwn House)	...	Superintending Engineer	8	1	9	391	...	64.40 ...
CARDIGANSHIRE. (Area, 688 sq. mi.)									
1.—DOVEY. 20 sq. mi.									
2.—YSTWYTH & C. 347 sq. mi.									
D	ABERPORTH	...	Meteorological Office	5	1	0	376	...	49.70 224 180
	Llanafan (Blaenddol)	...	R. Roberts, Esq.	...	...	...	500	...	60.70 ...
D	Llanafan (Crosswood Park)	...	Min. of Agric. and Fisheries	5	1	0	210	...	53.72 225 196
D	ABERYSTWYTH (Corporation Yard)	...	Town Clerk	8	1	0	12	36.5	44.77 216 189
d	ABERYSTWYTH (P.B.S.)	...	Director Plant Breeding Stn.	5	1	0	452	...	49.04 247 160

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
CARDIGANSHIRE—(contd.).									
2.—YSTWYTH & C.—(contd.).									
d Talybont (LETTY-EVAN-HEN) ...	Director Plant Breeding Stn.	5	1	0	930	...	59.28	221	198
d Afon Rheidol (Nant-y-Moch) ...	Water Engineer, Aberystwyth	5	1	0	1060	...	88.84	...	...
M §Plynlimon (Llygad Rheidol) <i>Higher g.</i>	Water Engineer, Aberystwyth	5	1	0	1660	...	95.60	...	...
M §Plynlimon (Llygad Rheidol) <i>Lower g.</i>	Water Engineer, Aberystwyth	5	1	0	1650	87.0	97.90	...	...
3.—TEIFI. 260 sq. mi.									
d Llandysul (Sychpant Horeb) ...	J. A. Davies, Esq. ...	5	1	0	341	...	64.68	...	...
D Cardigan (Plas Llangoedmore) ...	D. Berrington Davies, Esq.	5	1	0	120	...	49.71	225	192
D Lampeter (Falcondale) ...	Sir Arthur Harford, Bart. ...	5	1	0	498	50.0	57.90	234	196
4.—TOWY. 46 sq. mi.									
5.—WYE. 15 sq. mi.									
M §Birmingham W.W. (Llyn Gynon) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1500	70.7	74.90	...	...
M §Birmingham W.W. (Bwlchyrhendre) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1585	67.4	75.80	...	...
M Birmingham W.W. (Claerddu) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1470	71.6	77.95	...	...
M Birmingham W.W. (Gwngu) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1490	...	71.75	...	...
D §Birmingham W.W. (Abergwngu) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1150	67.1	80.85	250	214
BRECKNOCKSHIRE. (Area, 733 sq. mi.)									
1.—TOWY. 17 sq. mi.									
2.—TAFE. 41 sq. mi.									
D Ystradgynlais (Yniscledwyn House) ...	G. Coleman, Esq. ...	5	0	9	232	65.2	83.38	230	205
D Swansea W.W. (Nantyrwydd) ...	T. Price, Esq., C.E. ...	5	0	10	908	...	87.21	251	230
3.—NEATH. 48 sq. mi.									
D Ystradfellte Reservoir ...	Engineer (Neath R.D.C.) ...	5	1	0	1147	85.4	93.79	240	216
4.—TAFF. 48 sq. mi.									
D Aberdare (Nanthir Reservoir) ...	H. W. Crowther-Green, Esq.	5	1	0	860	59.6	65.57	280	210
D Cardiff W.W. (Cefn-Coed-y-Cymmer) ...	G. W. Cover, Esq., C.E. ...	5	1	0	790	...	62.62	240	202
D Taf Fechan (Pontsticill) No. 12 ...	A. C. Quiningborough, Esq.	5	1	0	1031	59.1	66.14	245	202
M Taf Fechan (Pontsticill West) 14 ...	A. C. Quiningborough, Esq.	5	1	0	1254	60.5	70.50	...	...
D Cardiff W.W. (Llwynon Res.) ...	G. W. Cover, Esq., C.E. ...	5	1	0	860	64.7	73.77	240	203
W Cardiff W.W. (Nant Ffynnon) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1352	73.2	(85.69)	...	...
M Cardiff W.W. (Garn Ddu) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1340	70.3	80.77	...	...
D Cardiff W.W. (Garw-nant) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1100	75.5	86.62	242	212
W Cardiff W.W. (Nant-Gwineu) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1200	67.5	80.12	...	...
W Cardiff W.W. (Cefn Gougarn) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1362	75.7	81.66	...	...
W Cardiff W.W. (Llysio) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1080	68.7	78.15	...	...
D Taf Fechan (Pentwyn Res. S.) ...	A. C. Quiningborough, Esq.	5	1	0	1120	68.0	81.64	253	210
M Taf Fechan (Pentwyn Res. N.) ...	A. C. Quiningborough, Esq.	5	1	0	1090	66.5	80.45	...	...
W Cardiff W.W. (Twyn-Gareg) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1501	86.7	(91.00)	...	...
D Cardiff W.W. (CANTREF Res.) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1080	69.9	81.21	249	210
D Cardiff W.W. (Beacons Res.) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1357	79.3	97.59	254	220
W Cardiff W.W. (Nant Penig) ...	G. W. Cover, Esq., C.E. ...	5	1	0	2000	92.9	106.60	...	...
D Cardiff W.W. (Storey Arms Field) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1430	88.5	97.83	255	220
W Cardiff W.W. Blaen Taf Fawr ...	G. W. Cover, Esq., C.E. ...	5	1	0	1430	85.7	100.22	...	...
D Taf Fechan (Neuadd Rs.) No. 4 ...	A. C. Quiningborough, Esq.	5	1	0	1487	83.0	84.55	256	209
D Taf Fechan (Neuadd Rs.) No. 11A ...	A. C. Quiningborough, Esq.	5	1	0	1520	...	90.67	266	220
M Taf Fechan (Neuadd Res.) No. 2 ...	A. C. Quiningborough, Esq.	5	1	0	1993	...	89.90	...	...

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground above Sea Level		Rain-fall	Days with or more	Days with or more
		in.	ft.	in.	ft.	in.	in.		
BRECKNOCKSHIRE—(contd.).									
4.—TAFF—(contd.).									
M Taf Fechan (Neuadd Res.) No. 5	... A. C. Quiningborough, Esq.	5	1	0	1515	83·3	98·45	...	...
M Taf Fechan (Neuadd Res.) No. 10	... A. C. Quiningborough, Esq.	5	1	0	1700	72·7	87·80	...	...
M Taf Fechan (Neuadd Res.) No. 7	... A. C. Quiningborough, Esq.	5	1	0	2017	...	94·00	...	...
M Taf Fechan (Neuadd Res.) No. 8	... A. C. Quiningborough, Esq.	5	1	0	1723	87·4	100·10	...	...
M Taf Fechan (Neuadd Res.) No. 6	... A. C. Quiningborough, Esq.	5	1	0	2099	95·4	112·20	...	...
5.—RHYMNEY. 2 sq. mi.									
6.—EBBW. 7 sq. mi.									
D Ebbw Vale W.W. (Llangynidr) 1	... J. G. Hoskins, Esq.	5	1	0	1413	58·8	65·24	228	188
D Ebbw Vale W.W. (Llangynidr) W3	... J. G. Hoskins, Esq.	5	1	0	1468	...	67·10	228	189
D Ebbw Vale W.W. (Llangynidr) NW2	... J. G. Hoskins, Esq.	5	1	0	1471	...	65·45	228	186
D Ebbw Vale W.W. (Carno, E.)	... J. G. Hoskins, Esq.	5	1	0	1391	...	63·37	228	192
D Ebbw Vale W.W. (Carno, W.)	... J. G. Hoskins, Esq.	5	1	0	1412	...	65·94	228	190
D Ebbw Vale W.W. (Carno, N.)	... J. G. Hoskins, Esq.	5	1	0	1491	...	65·19	228	188
7.—USK. 299 sq. mi.									
D Gilwern (Bryn-yr-Haul)	... R. E. John, Esq.	5	1	0	590	...	52·25	216	170
M Torpantau (Darenfawr)	... Newport Corporation	5	1	0	1172	...	76·09	...	...
M Torpantau (Ynysposte)	... Newport Corporation	5	1	0	741	66·8	77·25	...	...
M Torpantau (Blaen-caer-fanell)	... Newport Corporation	5	1	0	1584	73·2	85·32	...	...
D Talybont (Ffynonwen)	... Newport Corporation	5	1	0	629	60·2	64·59	232	189
M Talybont (Pwll Ifor)	... Newport Corporation	5	1	0	1224	65·3	74·13	...	...
D Talybont (Filter House)	... Newport Corporation	5	1	0	554	56·0	64·13	223	183
M Talybont (Craig Pwllfa)	... Newport Corporation	5	0	7	1796	...	90·04	...	...
D Talybont (Tyle Clydach)	... Newport Corporation	5	0	11	709	...	64·93	213	182
M Talybont (Nant-y-Llanerch)	... Newport Corporation	5	1	0	1007	...	77·34	...	...
D Crickhowell (Glanusk Park)	... Margaret Lady Glanusk	5	1	0	290	43·7	46·11	206	164
D Crickhowell (Penmyarth)	... Margaret Lady Glanusk	5	1	0	330	...	44·36	201	166
M Swansea W.W. (Cray Rs.) No. 2	... T. Price, Esq., C.E.	5	1	0	1019	...	82·41	...	...
D Swansea W.W. (Cray Rs.) No. 1	(+A) T. Price, Esq., C.E.	5	1	0	1043	...	78·84	245	217
M Cray Post Office	... J. A. Jones, Esq. for M.O.	5	1	0	930	69·1	(82·63)	...	...
D Talybont (Ashford)	... J. Henderson, Esq.	5	1	0	360	45·6	50·88	194	167
D Llanfrynach (Ty-mawr)	... Miss M. D. de Winton	5	1	0	450	...	49·99	205	173
D CRICKHOWELL (Dan-y-Parc)	... R. G. Sandeman, Esq.	8	1	0	230	...	42·66	202	157
M Crickhowell (Tal-y-maes)	... Mrs. E. Jones, for M.O.	5	1	0	1250	46·7	49·30	...	...
D Treacastle (Blaenau-hydfer)	... Mr. M. Davies, for M.O.	5	1	0	970	63·2	79·40	234	202
d Brecon (Tairbull School)	... W. O. Davies, Esq.	5	1	0	660	52·0	50·19	208	175
D Brecon (Ffrwdgrech)	... Capt. J. D. D. Evans	5	1	0	560	...	47·06	220	179
D Brecon (Waterworks)	... Borough Engineer	5	1	0	550	...	47·19	226	188
d Brecon (Mount Street School)	... Headmaster	5	0	11	494	...	43·92	...	...
D Black Mountains (Blaen-y-cwm)	... W. Cory Goddard, Esq., C.E.	5	1	0	1423	54·5	57·62	225	198
D Black M. (The Dam, Grwyne Fawr)	... W. Cory Goddard, Esq., C.E.	5	1	0	1620	56·0	60·12	225	198
8.—WYE. 271 sq. mi.									
D Cathedine Rectory	... Rev. H. J. Phillips, for M.O.	5	1	6	650	38·3	38·37	210	160
d Felin Fach	... Mrs. G. Griffiths*	5	1	0	546	...	39·21	...	...
d Llanfillo (County School)	... Headmistress	5	1	0	700	...	35·14	221	169
d Talgarth (Maescoch)	... F. T. Morgan, Esq.	5	1	0	450	33·2	33·33	182	152
D Talgarth (South Wales Sanatorium)	... Dr. H. E. Watson	5	1	0	500	...	36·98	194	169
w Llanwrtyd Wells (Abernant)	... T. A. Poole, Esq.*	5	1	0	632	57·2	66·37	...	...
D Garth	... T. A. Poole, Esq.*	5	1	0	541	...	55·67	242	196
M Abergwesyn (Trallwn)	... D. I. Felix, Esq., for M.O.	5	1	0	1000	75·5	85·90	...	...
D Beulah (Llwyn Madoc)	... C. M. Evan-Thomas, Esq.	5	1	0	750	...	68·01	229	198
M Llanafanfawr School	... W. D. Swan, Esq.	5	1	0	800	...	58·20	...	...

* Per River Wye Catchment Board.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.		ft.				in.	in.
BRECKNOCKSHIRE—(contd.).									
8.—WYE—(contd.).									
D Newbridge (Llysdim)	... Sir C. Venables Llewelyn, Bt.	5	1	3	646	41.2	47.98	225	192
M §Birmingham W.W. (Cors-yr-hwch)	... C. A. Risbridger, Esq., C.E.	5	1	0	1775	87.3	92.40	...	...
M §Birmingham W.W. (Esgair Ceiliog)	... C. A. Risbridger, Esq., C.E.	5	1	0	1560	77.3	90.50	...	...
M §Birmingham W.W. (Llyn-Carw)	... C. A. Risbridger, Esq., C.E.	5	1	0	1775	79.3	87.45	...	...
M §Birmingham W.W. (Nant-y-car)	... C. A. Risbridger, Esq., C.E.	5	1	0	1545	76.5	84.70	...	...
M §Birmingham W.W. (Arban)	... C. A. Risbridger, Esq., C.E.	5	1	0	1500	73.2	83.25	...	...
M §Birmingham W.W. (Tyn-y-pant)	... C. A. Risbridger, Esq., C.E.	5	1	0	1320	62.0	68.30	...	...
M §Birmingham W.W. (Esgair Garthen)	... C. A. Risbridger, Esq., C.E.	5	1	0	1590	75.5	81.30	...	...
D Birmingham W.W. (Elan Village)	... C. A. Risbridger, Esq., C.E.	5	1	0	700	54.4	59.00	247	204
RADNORSHIRE. (Area, 474 sq. mi.)—									
1.—WYE. 424 sq. mi.									
D Glasbury-on-Wye	... R. A. Bufton, Esq. ...	5	1	0	276	...	35.76	199	167
D Llyswen (Llanstephan House Gdns.)	... Lady Milford ...	5	1	3	440	...	41.86	234	193
D Erwood (Bridgend)	... Mr. J. E. Bufton ...	5	1	0	407	...	47.47	230	189
D Hay (Llanbwchlllyn, Lower)	... Painscastle R.D.C. ...	5	1	0	985	...	38.47	220	178
M Hay (Llanbwchlllyn, Upper)	... Painscastle R.D.C. ...	5	1	0	1400	...	43.36	...	...
D Newchurch	... F. E. Lloyd, Esq.* ...	5	1	0	801	...	37.33	198	166
D §Builth (Cefndyrys)	... Capt. E. A. Thomas ...	5	1	0	740	41.5	42.32	214	170
D Builth (Pencerrig)	... Mrs. C. L. Evan-Thomas ...	5	1	6	750	...	42.18	190	164
d Llansaintfraed-in-Elvel	... D. E. Ebrey, Esq.* ...	5	1	0	673	38.7	(35.17)	...	...
d Llanfihangel-nant-Melan	... J. C. B. Slater, Esq. ...	5	1	0	985	...	43.39	...	...
D New Radnor (Harpton Court Gdns.)	... Sir Henry Duff Gordon, Bt.	5	0	6	700	43.8	41.95	230	178
D New Radnor Rectory	... Rev. R. D. Wynne* ...	5	1	0	985	...	42.13	...	...
D Presteign (Evancoyd)	... Major C. J. L. Lewis ...	5	1	0	744	...	35.57	203	165
D LLANDRINDOD WELLS (The Common)	... Clerk to the U.D.C. ...	5	1	0	772	...	43.25	218	182
d Cascob (Forester's Lodge)	... Forestry Commission ...	5	1	0	1000	...	(46.52)	...	...
D §Birmingham W.W. (Tyrmynydd)	... C. A. Risbridger, Esq., C.E.	5	1	0	832	62.1	64.42	255	202
D Birmingham W.W. (Ciloerwynt)	... C. A. Risbridger, Esq., C.E.	5	1	0	1045	...	69.36	258	209
D Birmingham W.W. (Nantgwillt)	... C. A. Risbridger, Esq., C.E.	5	1	0	840	63.2	63.49	257	200
M §Birmingham W.W. (Dwfnant)	... C. A. Risbridger, Esq., C.E.	5	1	0	1050	65.3	72.00	...	...
M §Birmingham W.W. (Esgair Gader) 2	... C. A. Risbridger, Esq., C.E.	5	1	0	1500	67.3	(74.20)	...	...
M Birmingham W.W. (Tynllidiart)	... C. A. Risbridger, Esq., C.E.	5	1	0	1006	62.9	68.14	...	...
M §Birmingham W.W. (Claerwen)	... C. A. Risbridger, Esq., C.E.	5	1	0	1250	67.7	(74.45)	...	...
D §Birmingham W.W. (Tynant)	... C. A. Risbridger, Esq., C.E.	5	1	0	1020	64.3	71.90	262	212
D §RHAYADER	... R. Ashton, Esq., for M.O.	5	1	0	757	47.0	51.90	213	183
D Rhayader (East Street)	... R. Ashton, Esq. ...	5	1	0	700	49.2	51.80	221	187
d Llanddewi-Ystradenny	... J. E. Price, Esq.* ...	5	1	0	767	...	40.88	...	...
M §Birmingham W.W. (Cerigllwydion)	... C. A. Risbridger, Esq., C.E.	5	1	0	1710	72.4	80.90	...	...
M §Birmingham W.W. (Pen-y-gareg) 1	... C. A. Risbridger, Esq., C.E.	5	1	0	1500	...	63.13	...	...
M §Birmingham W.W. (Pen-y-gareg) 2	... C. A. Risbridger, Esq., C.E.	5	1	0	1540	...	62.73	...	...
M Birmingham W.W. (Bryn Hir)	... C. A. Risbridger, Esq., C.E.	5	1	0	1470	74.2	82.40	...	...
M Birmingham W.W. (Abercaethon)	... C. A. Risbridger, Esq., C.E.	5	1	0	1240	67.1	74.45	...	...
M §Birmingham W.W. (Calettwr)	... C. A. Risbridger, Esq., C.E.	5	1	0	1490	72.5	(77.50)	...	...
D Abbey Cwmhir (The Hall)	... Col. J. L. Philips ...	5	0	10	877	...	47.22	208	177
D Llangunllo	... H. Kendrick, Esq.* ...	5	1	0	776	...	43.33	216	173
M §Birmingham W.W. (Figin) 2	... C. A. Risbridger, Esq., C.E.	5	1	0	1700	81.3	(86.65)	...	...
M Birmingham W.W. (Aberhenllan)	... C. A. Risbridger, Esq., C.E.	5	1	0	1070	64.8	73.01	...	...
M Llanbister (Llananno)	... Mrs. A. Jones, for M.O.	5	1	0	900	45.1	54.50	...	...
D St. Harmons	... J. Hope, Esq.** ...	5	1	0	918	...	51.39	220	189
d §St. Harmons (Bwlch-y-sarnau)	... Mr. J. Wozencroft** ...	5	1	0	1288	...	50.72	...	180
D Llanbadarn-fynydd	... Mr. P. A. Stephens** ...	5	1	0	974	...	50.13	236	191
D St. Harmons (Pen-Ithorn)	... Mrs. L. O. Morris* ...	5	1	0	1200	...	45.55	234	191

* Per River Wye Catchment Board.

§ Turf wall round gauge.

** Per River Wye Catchment Board (by courtesy of the local County Council).

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES		Rain-gauge				Average Rain-fall	1950			
				Diam.	Height of		Ground		Rain-fall	Rain-fall	Days with	Days with
				in.	ft.	in.	ft.	in.	in.	·01 in. or more	·04 in. or more	
RADNORSHIRE—(contd.).				in.	ft.	in.	ft.	in.	in.			
2.—SEVERN. Right Bank Tributaries. 50 sq. mi.												
MONTGOMERYSHIRE. (Area, 797 sq. mi.)												
1.—DOVEY. 120 sq. mi.												
W	Corris (Esgairgeiliog Camp) ...	...	Forestry Commission	...	5	0	11	240	...	97·77	...	...
2.—YSTWYTH. 7 sq. mi.												
3.—WYE. 37 sq. mi.												
D	Birmingham W.W. (Bod-Talog) ...	...	C. A. Risbridger, Esq., C.E.	...	5	1	0	1250	65·8	78·56	245	228
	Birmingham W.W. (Glan-Fedwen) ...	...	C. A. Risbridger, Esq., C.E.	...	5	1	0	1375	67·7	78·10	...	...
	Llangurig (Dernol) ...	...	E. W. Price, Esq., for M.O.	...	5	1	0	870	52·7	(61·00)	...	...
	Llangurig (Manod) ...	...	Capt. M. Bennett-Evans*	...	5	1	0	1050	...	96·40	...	...
4.—SEVERN. Right Bank Tributaries. 154 sq. mi.												
D	Llanidloes (Hillfield) ...	...	G. E. Edwards, Esq.	...	5	1	6	550	...	46·31	217	181
d	Llanidloes (Mount Severn) ...	...	A. L. Onslow, Esq.	...	5	1	0	600	...	56·45	...	183
D	Newtown (Mochdre Reservoir) ...	...	Surveyor	...	5	0	9	650	...	42·83	186	152
D	Hafren Nursery... ..	...	Forestry Commission†	...	5	1	0	1220	...	73·89	225	203
M	Clywedog (Cwm Biga) ...	...	Montgomery County Council	...	5	1	0	1015	...	83·95	...	...
d	Clywedog (Aber Biga) ...	...	Montgomery County Council	...	5	1	0	900	...	64·20	...	...
M	Clywedog (Hafod Cadwgan) ...	...	Montgomery County Council	...	5	1	0	1015	...	87·81	...	...
	Clywedog (Dol Bachog) ...	...	Montgomery County Council	...	5	1	0	1030	...	69·40	...	...
d	Newtown (Penarth Weir) ...	...	Docks & Inland Waterways	...	8	1	0	321	35·0	40·90	...	...
D	Newtown (Gregynog Hall Gardens) ...	...	G. C. Austin, Esq.	...	5	1	6	650	...	39·87	229	174
D	Montgomery (Tre Llydiart) ...	...	N. P. Vaughan Pryce, Esq.	...	5	...	...	400	...	31·49	207	155
5.—SEVERN. Left Bank Tributaries. 479 sq. mi.												
D	Berriew (Brithdir Hall) ...	...	Mrs. F. E. Marston	...	5	1	0	350	30·7	38·95	211	171
D	WELSHPOOL (County School) ...	...	Headmaster	...	5	1	0	254	30·1	36·25	181	157
d	Welshpool (Fron Llwyd) ...	...	Col. G. B. D. Harrison	...	5	1	3	500	33·7	38·54	211	174
M	Gam (Cwm Derwen) ...	...	Montgomery County Council	...	5	1	0	960	...	65·80	...	...
D	Gam (Abercannon Farm) ...	...	Montgomery County Council	...	5	1	0	800	...	76·96	234	202
	Gam (Afon Cannon) ...	...	Montgomery County Council	...	5	1	0	1120	...	78·35	...	...
M	Garth Beibio (Ole Wen) ...	...	J. R. Jones, Esq., for M.O.	...	5	1	0	1250	...	(74·20)	...	...
D	Llanymynech (Penrhos Vicarage) ...	...	Rev. W. Griffith	...	5	1	0	300	...	38·48	224	175
d	Twrch (Dol y Gaseg) ...	...	Montgomery County Council	...	5	1	0	810	...	78·01	...	194
M	Twrch (Cerniau) ...	...	Montgomery County Council	...	5	1	0	1160	...	95·25	...	...
M	Afon Twrch ...	...	Montgomery County Council	...	5	1	0	1390	...	90·40	...	...
d	Llanfyllin (Penllwyn) ...	...	Major J. E. M. Dugdale	...	5	0	7	649	...	48·63	220	184
M	Lake Vyrnwy (Cownwy Dam) ...	...	late Col. F. Hibbert, C.E.	...	8	1	0	929	55·7	74·93	...	...
W	Llanymynech (White Rock) ...	...	J. Moon, Esq.	...	5	1	0	350	...	33·01	...	...
D	Lake Vyrnwy ...	...	R. D. Adams, Esq.	...	5	0	7	770	54·0	71·41	241	211
	Lake Vyrnwy (Hên Gerig) ...	...	late Col. F. Hibbert, C.E.	...	5	1	0	1230	71·7	97·73	...	...
	Lake Vyrnwy (Bryn Gwyn) ...	...	late Col. F. Hibbert, C.E.	...	8	1	0	1311	56·7	79·28	...	...
D	LAKE VYRNWY (Experimental Stn.) (+A) ...	...	late Col. F. Hibbert, C.E.	...	5	1	0	995	55·5	74·52	251	216
	Lake Vyrnwy (Fron Goch)† ...	...	late Col. F. Hibbert, C.E.	...	8	1	0	835	...	74·42	...	...
	Lake Vyrnwy (Ty Uchaf) ...	...	late Col. F. Hibbert, C.E.	...	8	1	0	860	...	72·80	...	...

* Per River Wye Catchment Board.

† Per Montgomery County Council.

‡ Formerly known as Lakeside.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
MONTGOMERYSHIRE—(contd.).									
5.—SEVERN—(contd.).									
Lake Vyrnwy (Heol-y-ffridd)	No. 1 late Col. F. Hibbert, C.E. ...	8	1	0	913	...	88·02	...	...
Lake Vyrnwy (Heol-y-ffridd) ...	No. 2 late Col. F. Hibbert, C.E. ...	8	1	0	830	...	88·47	...	...
Lake Vyrnwy (Tyn-y-ffridd) ...	... late Col. F. Hibbert, C.E. ...	8	1	0	1010	...	69·12	...	...
Lake Vyrnwy (Lluestwen) ...	No. 2 late Col. F. Hibbert, C.E. ...	8	1	0	1620	...	95·50	...	...
Lake Vyrnwy (Llwynrhiw) ...	... late Col. F. Hibbert, C.E. ...	8	1	0	1428	...	96·00	...	...
Lake Vyrnwy (Nant Cawell) ...	... late Col. F. Hibbert, C.E. ...	5	1	0	1610	77·4	99·82	...	...
Lake Vyrnwy (Hirnant) ...	... late Col. F. Hibbert, C.E. ...	8	1	0	766	...	69·02	...	...
Lake Vyrnwy (Eunant Bridge) ...	... late Col. F. Hibbert, C.E. ...	5	1	0	830	...	89·72	...	...
Lake Vyrnwy (Gadfa) ...	... late Col. F. Hibbert, C.E. ...	5	1	0	1521	81·4	109·41	...	...
Lake Vyrnwy (Carreg Goch) ...	... late Col. F. Hibbert, C.E. ...	8	1	0	1780	66·1	90·38	...	...
Lake Vyrnwy (Rhiwargor) ...	... late Col. F. Hibbert, C.E. ...	5	1	0	860	...	84·33	...	...
Lake Vyrnwy (Stone) ...	... late Col. F. Hibbert, C.E. ...	5	1	0	1499	72·2	89·38	...	...
§Lake Vyrnwy (Fawnog) ...	... late Col. F. Hibbert, C.E. ...	8	1	0	1315	55·7	68·60	...	...
Lake Vyrnwy (Pennant Melangell) ...	... late Col. F. Hibbert, C.E. ...	8	1	0	660	...	71·32	...	...
Lake Vyrnwy (Erw Berfedd) ...	... late Col. F. Hibbert, C.E. ...	5	1	0	1800	67·8	89·84	...	...
d Pen-y-bont (Rhiwlas) ...	... late Col. F. Hibbert, C.E. ...	5	1	0	748	...	54·47	218	186
FLINTSHIRE. (Area, 256 sq. mi.)									
1.—DEE. 198 sq. mi.									
D Hanmer (Gredington) ...	... Lady Kenyon ...	5	1	0	300	30·4	30·43	190	146
D Hawarden (High Park) ...	... C. F. Williams, Esq. ...	5	0	10	256	...	30·41	198	144
D HAWARDEN Airfield ...	... Meteorological Office ...	5	1	0	15	...	29·27	189	144
D Mold (Mount Pleasant) ...	... E. G. Hutson, Esq., C.E. ...	5	1	0	503	...	35·42	212	167
D Cilcain (No. 2 Reservoir) ...	... Hawarden & Dist. W.W. Co. ...	5	1	0	785	...	39·09	221	167
w Cilcain (No. 4 Reservoir) ...	... Hawarden & Dist. W.W. Co. ...	5	1	0	900	...	37·71	...	...
D Northop (Soughton Hall) ...	... R. W. Banks, Esq. ...	5	1	0	418	32·1	36·65	215	170
D Cilcain (Cilcen Hall) ...	... Miss W. Yates ...	5	0	9	700	29·7	37·56	193	163
D Connah's Quay (Mold Road) ...	... E. G. Hutson, Esq., C.E. ...	5	1	0	43	...	31·14	205	148
D Connah's Quay (Pengwladys) ...	... E. G. Hutson, Esq., C.E. ...	5	1	0	231	...	29·84	198	148
D HAWARDEN BRIDGE ...	... Messrs. J. Summers & Sons ...	8	1	0	17	24·3	32·70	194	149
d Halkyn (Bryn Awel) ...	... Halkyn District Mines, Ltd. ...	5	0	7	870	...	36·11	...	...
D Mostyn ...	... Darwen & Mostyn Iron Co. ...	5	3	2	15	...	32·59	...	...
2.—CLWYD. 51 sq. mi.									
D Bodfari (Nantlys) ...	... A. D. H. Pennant, Esq. ...	5	1	5	178	27·4	29·56	190	147
D Dyserth (Penlee) ...	... L. Wilson, Esq. ...	5	1	0	260	...	27·76	213	153
D RHYL (Westbourne Avenue) ...	(+A) Medical Officer of Health ...	8	1	0	31	25·8	25·57	194	149
D PRESTATYN ...	... Urban District Council ...	5	1	0	18	...	29·35	188	146
3.—SEVERN. Left Bank Tributaries. 7 sq. mi.									
DENBIGHSHIRE. (Area, 668 sq. mi.)									
1.—DEE. 278 sq. mi.									
M Glynceirog (Plas Nantyr) ...	... C. B. C. Storey, Esq. ...	5	1	0	1500	49·7	50·69	...	...
D Chirk Castle Gardens ...	... H. G. Cheverton, Esq. ...	5	1	0	630	...	37·67	177	152
D Chirk (Old Vicarage) ...	... Miss J. B. Jagger ...	5	1	0	350	...	36·50	192	152
D Llangollen (Vivod) ...	... Mrs. Best ...	5	1	0	640	...	41·18	214	172
D Ruabon (Trevor Hall) ...	... E. Lloyd Edwards, Esq. ...	5	1	2	600	30·9	38·32	203	164
M Wrexham W.W. (Mountain Lodge) ...	... Engineer ...	8	0	9	1100	...	41·33	...	...
d Wrexham W.W. (Ty Mawr Res.) ...	... Engineer ...	5	0	9	805	39·1	40·89	223	163

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			.01 in. or more	.04 in. or more
DENBIGHSHIRE—(contd.).									
		in.	ft.	in.	ft.	in.	in.		
1.—DEE—(contd.).									
D Wrexham W.W. (Pack Saddle Res.) ...	Engineer ...	5	0	9	370	32.0	37.28	216	168
d Wrexham W.W. (Cae Llwyd Res.) ...	Engineer ...	5	0	9	918	41.1	42.67	223	164
M Wrexham W.W. (World's End) ...	Engineer ...	5	1	0	1573	...	47.33	...	...
§ Wrexham W.W. (Erwau) ...	Engineer ...	5	1	0	1160	...	48.23	...	...
M Wrexham W.W. (Gwter Siani) ...	Engineer ...	5	1	0	1503	...	46.24	...	...
M Wrexham W.W. (Abersychnant) ...	Engineer ...	5	1	0	1370	...	45.38	...	...
M Wrexham W.W. (Minera) ...	Engineer ...	5	0	9	1400	...	39.13?	...	...
D Wrexham (Salisbury Park) ...	S. E. Ashmore, Esq. ...	5	1	0	283	...	32.60	210	156
D WREXHAM (Grove Pk. C'nty Sch.) (+A)	S. E. Ashmore, Esq. ...	5	1	0	273	...	31.26	198	148
D Pendinas Reservoir ...	Brymbo Water Co. ...	5	1	0	1249	...	42.40	233	178
D BWLCHGWYN ...	S. E. Ashmore, Esq. ...	5	1	0	1267	...	43.88	232	179
D Nantylfrith Reservoir ...	Brymbo Water Co. ...	5	0	6	1040	...	40.10	219	177
D Llanfihangel-glyn-mysfyr ...	E. G. Hutson, Esq., C.E. ...	5	1	0	898	43.7	50.84	247	191
D River Alwen (Alwen Filter House) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	1100	46.4	55.19	241	202
D River Alwen (Alwen Dam) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	1189	49.1	60.28	245	210
D River Alwen (Hafod-y-llan-isaf) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	1180	...	57.61	245	206
D Pentre Voelas (Nant Heilyn) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	1225	49.2	59.35	...	...
D River Brenig (Hafod-yr-onen) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	1175	...	54.85	...	...
M Nantglyn (Pant-y-maen) ...	E. G. Hutson, Esq., C.E. ...	8	1	0	1320	50.3	58.86	...	...
M Llyn Bran ...	E. G. Hutson, Esq., C.E. ...	8	1	0	1428	52.1	56.67	...	...
2.—CLWYD & C. 267 sq. mi.									
D Ruthin (Nantclwyd Hall) ...	Sir E. Naylor-Leyland, Bt. ...	8	4	0	600	...	38.49	209	162
D Clawdd-newydd No. 2 ...	E. G. Hutson, Esq., C.E. ...	5	1	0	983	37.5	48.05	214	197
Clawdd-newydd (Foel Fach) ...	Forestry Commission ...	5	0	8	1100	...	45.24	215	179
Ruthin (Corwen Road) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	234	...	36.02	...	...
Llyn Aled ...	J. Round, Esq., A.M.I.C.E. ...	5	1	6	1200	...	54.26	...	...
D Ruthin (Bwlch Tunnel) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	908	...	36.46	230	169
Llyn Aled (Moel-y-Bryniau) ...	J. Round, Esq., A.M.I.C.E. ...	5	1	4	1250	...	54.60	...	...
Llyn Aled (Rhyd-y-Bedd) ...	J. Round, Esq., A.M.I.C.E. ...	5	1	0	1170	...	47.78	...	...
D Denbigh (Mental Hospital) ...	Clerk & Steward ...	5	1	0	316	...	33.71	203	162
d Llangwyfan (N. Wales Sanatorium) ...	Medical Superintendent ...	5	1	0	460	...	33.45	(204)	(160)
D Denbigh (Henllan) ...	H. Wilson, Esq. ...	5	1	0	460	...	30.61	205	155
M Llanefydd (Dolwen Res. S.) ...	J. Round, Esq., A.M.I.C.E. ...	5	1	0	600	...	33.13	...	...
M Llanefydd (East) ...	J. Round, Esq., A.M.I.C.E. ...	5	1	0	570	...	31.73	...	...
D Llanefydd (Plas Uchaf Res.) ...	J. Round, Esq., A.M.I.C.E. ...	5	1	0	485	...	30.46	204	160
D Llanefydd (Glascoed Res.) ...	J. Round, Esq., A.M.I.C.E. ...	5	1	0	360	...	33.92	202	170
D Abergele (Sea Road) ...	Sydney Wilson, Esq. ...	5	1	0	35	28.4	27.85	201	148
D COLWYN BAY (Eirias Park) ...	Borough Surveyor ...	5	1	0	118	...	31.35	205	159
3.—CONWAY. 4 sq. mi.									
D Pentre Voelas (Voelas Hall) ...	Col. J. C. Wynne Finch ...	5	1	3	640	53.2	61.94	244	196
D Tal-y-Cafn (Bodnant) ...	Lord Aberconway C.B.E. ...	5	0	10	150	...	39.56	213	172
4.—SEVERN. Left Bank Tributaries. 47 sq. mi.									
D Llansilin (Penygwely Res.) ...	J. E. Taylor, Esq., C.E. ...	5	1	0	1115	...	41.48	218	171
MERIONETHSHIRE. (Area, 661 sq. mi.)									
1.—DEE. 218 sq. mi.									
Afon Twrch (Nant-y-Barcut) ...	A. E. Morris, Esq.* ...	5	1	0	1091	...	(95.05)	...	...
d Llanuwchllyn (Plas-deon) ...	A. E. Morris, Esq.* ...	5	1	0	555	60.5	70.28	222	187
M Cwm Hirnant (Maesafallen) ...	E. O. Roberts, Esq.* ...	5	1	4	957	60.8	(81.85)	...	...

§ Turf wall round gauge.

* Per River Dee Catchment Board.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			.01 in. or more	.04 in. or more
MERIONETHSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
1.—DEE.—(contd.).									
M § Afon Lliw (Blaen Lliw Isaf) ...	J. Pugh, Esq.* ...	5	1	6	1279	85.6	105.40	...	...
d Llandrillo (Crogen) ...	H. Robertson, Esq....	8	1	0	530	...	53.09	...	...
M § Trawsfynydd (Cwm Prysor) ...	British Electricity Authority	5	1	3	1300	78.0	90.80	...	...
Llyn Arenig Fach ...	J. Jones, Esq.* ...	5	1	5	1511	...	109.10	...	...
d Bala (Craig Nant) ...	J. Jones, Esq.* ...	5	1	0	1030	76.5	86.36	221	205
D Corwen (Bryntirion) ...	Admiral Stapleton-Cotton	5	0	9	570	...	43.52	221	189
Derwen (Minffordd) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	971	...	49.42	...	...
2.—CLWYD. 7 sq. mi.									
3.—GLASLYN. 92 sq. mi.									
d Harlech (Dorwyn) ...	R. F. Pearce, Esq. ...	5	0	8	60	...	53.60	235	192
a Harlech (Royal St. Davids Golf Club)	Secretary ...	5	1	0	3	...	47.33	...	...
D Harlech (Hendre) ...	E. H. Price, Esq. ...	5	1	0	750	...	69.94	242	197
M Trawsfynydd (Cefn Gell-y-Cwm) ...	British Electricity Authority	5	1	0	665	...	79.61	...	...
Trawsfynydd (Tyn Twll) ...	British Electricity Authority	5	1	3	750	...	(87.10)	...	...
M Trawsfynydd (Darn Gae) ...	British Electricity Authority	5	1	0	950	71.3	87.85	...	...
d Pandyrddrwyrd (Main Dam) ...	British Electricity Authority	5	1	3	650	...	77.20	...	...
w Tyddyn-y-Gareg (Hendre Mur) ...	British Electricity Authority	5	1	3	660	...	76.35	...	...
d Festiniog (Hafod Fawr) ...	Forestry Commission ...	8	1	4	1000	...	102.51	...	...
D Llyn Morwynion ...	Ffestiniog U.D.C. ...	5	1	0	1320	...	114.20	243	229
D Manod Ffestiniog ...	Ffestiniog U.D.C. ...	5	1	0	713	...	110.65	251	223
d Blaenau Festiniog (Oakeley Q.) ...	G. W. Humphreys, Esq. ...	5	1	0	1100	106.5	131.61	...	...
D Blaenau Festiniog (Llechwedd Q.) ...	Messrs. J. W. Greaves & Son	5	1	0	700	101.1	121.46	241	217
4.—MAWDDACH & C. 262 sq. mi.									
D Towyn (Bronffynnon) ...	Dr. T. Henry Jones ...	5	1	0	180	...	56.67	227	188
d BARMOUTH ...	Urban District Council ...	5	1	0	10	...	51.56	234	195
Dolgelley (Bronygader) ...	Lt.-Col. A. E. Jelf-Reveley	5	1	0	200	...	80.10	...	...
D Dolgelley (Borthwnog) ...	Col. C. W. H. Crichton ...	5	1	0	5	...	65.90	236	200
d Llanbedr (Llwyn) ...	A. Towers, Esq. ...	5	1	6	50	...	53.61	...	187
5.—DOVEY. 82 sq. mi.									
D Aberdovey (Plas Penhelig) ...	J. M. Howell, Esq., D.L. ...	5	1	0	150	...	52.99	223	193
D Pennal (Llwyn-Celyn) ...	Lt.-Col. M. V. le P. Trench	5	1	0	30	...	70.47	230	207
w Aberangell (Gwynynd) ...	J. Norman Jones, Esq. ...	5	0	10	450	...	83.67	...	...
6.—SEVERN. Left Bank Tributaries.									
CAERNARVONSHIRE. (Area, 572 sq. mi.)									
1.—BARDSEY ISLAND.									
2.—CONWAY & C. 146 sq. mi.									
D Capel Curig (Glyn Curig) ...	W. S. Parrott, Esq., J.P. ...	5	2	1	710	84.8	104.49	255	225
Lake Cowlyd (Capel Curig) ...	British Electricity Authority	5	1	6	1400	...	97.15	...	...
Lake Llugwy ...	British Electricity Authority	5	1	0	1820	100.1	111.21	...	...
L. Cowlyd (Ffrith Garreg Wen) A.	Conway & Colwyn Bay W.Bd.	5	1	0	1168	92.0	102.96	...	...
M ||Lake Cowlyd (Ffrith Fawr) B.	Conway & Colwyn Bay W. Bd.	5	1	0	1700	...	94.98	...	...
Lake Cowlyd (Cowlyd) ...	British Electricity Authority	5	1	0	1400	83.9	97.31	...	...
Llanbedr-y-Cennin (Melynlllyn) ...	J. A. Edwards, Esq., C.E.	5	1	0	2065	...	139.39	...	...
Llanbedr-y-Cennin (Llyndulyn) ...	J. A. Edwards, Esq., C.E.	8	1	6	1632	102.7	115.78	...	...
Llanbedr-y-Cennin (Plasdulyn) ...	J. A. Edwards, Esq., C.E.	8	1	0	509	...	53.65	...	...

§ Turf wall round gauge.

* Per River Dee Catchment Board.

|| Gauge over-exposed.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .01 in. or more
		in.	ft.	in.	ft.	in.	in.		
CAERNARVONSHIRE—(contd.).									
2.—CONWAY & C.—(contd.).									
d Conway (Mussel Tanks) ...	Min. of Agric. & Fisheries ...	5	1	0	50	...	32.47	203	155
D LLANDUDNO (Cricket Ground) ...	Medical Officer of Health ...	5	1	1	13	28.1	31.00	205	158
3.—MENAI STRAITS. 221 sq. mi.									
D Edeyrn Tydweiliog (Cefnamwlch) ...	Col. W. H. Wynne Finch ...	5	1	0	300	...	47.37	192	169
d Madryn Castle (Farm School) ...	Principal ...	8	1	6	278	39.0	54.42	198	164
d Edeyrn (Henfaes) ...	J. St. Bodfar Gruffydd, Esq. ...	5	1	0	50	...	42.99	...	...
M Nantlle (Dorothea Quarry) ...	Dorothea Slate Quarry Co. ...	5	2	0	300	...	69.70	...	...
d Bethesda (Penrhyn Quarries) ...	General Manager ...	8	1	0	527	65.8	58.23	...	...
D Port Dinorwic (Vaynol) ...	Sir Michael Assheton-Smith ...	5	0	8	100	...	48.52	215	176
D Bangor (Town Hall) ...	Water Engineer & Surveyor ...	8	1	6	50	...	41.58	202	173
D Bangor (Penrhyn Castle Gardens) ...	Head Gardener ...	5	1	0	150	...	44.97	213	184
D ABER (University College Farm) ...	Professor of Agriculture ...	5	1	0	60	...	41.18	225	175
d Llanfairfechan (School House) ...	Surveyor U.D.C. ...	5	1	0	120	37.9	40.18	201	169
D Penmaenmawr (Treforris Rd.) ...	Mrs. E. H. Leonard ...	5	1	2	400	...	37.37	208	169
4.—ERCH & C. 155 sq. mi.									
d Abersoch (Groeslon) ...	Mrs. E. H. Hooton... ..	8	0	11	200	...	39.31	...	...
D Pwllheli (West End) ...	B. V. Howell, Esq. ...	8	1	3	9	...	42.90	206	167
5.—GLASLYN. 50 sq. mi.									
D Portmadoc (Wern) ...	Col. M. I. Williams-Ellis ...	5	1	0	20	...	58.25	222	190
D Beddgelert (Primary School) ...	Headmaster ...	5	1	2	133	88.6	101.25	238	206
W Hafodtanygraig ...	Arnold White, Esq. ...	5	1	6	280	97.6	113.32	...	...
D Snowdon (Cwm Dyli) 11 ...	British Electricity Authority ...	5	1	0	310	117.9	152.66	255	243
D Snowdon (Cwm Dyli, Old Rd.) 14(+A) ...	British Electricity Authority ...	5	0	10	325	...	143.28	254	242
M Snowdon (Llewedd) 2 ...	British Electricity Authority ...	5	1	3	1485	...	178.15	...	...
M Snowdon (Delta) 7 ...	British Electricity Authority ...	5	1	0	1435	...	191.60	...	...
M Snowdon (Glaslyn) 3 ...	British Electricity Authority ...	5	0	8	2050	...	(177.80)	...	...
M Snowdon (Teryn) 1 ...	British Electricity Authority ...	5	1	0	1080	...	181.65	...	...
d Snowdon (Llydaw Intake) 10 ...	British Electricity Authority ...	5	1	0	1480	...	165.37	(263)	(249)
W Snowdon (L. Llydaw Copper Mine) 9 ...	British Electricity Authority ...	5	1	5	1480	...	180.69	...	...
M Snowdon (Grib Goch) 8 ...	British Electricity Authority ...	5	1	3	2340	...	195.65	...	...
ANGLESEY. (Area, 275 sq. mi.)									
D Bryn-siencyn (Trefarthen) ...	Miss E. Meyrick ...	5	1	0	30	...	39.56	189	159
D Newborough Forest ...	Forestry Commission ...	5	0	9	5	...	40.80	212	174
D Llangadwaladr (Bodorgan) ...	Sir George Meyrick, Bt. ...	5	1	0	100	37.5	45.86	233	187
d Plas Cadnant ...	Mr. Speddy ...	5	1	0	156	...	47.09	...	...
d Llangefni (Glanaber) ...	M. Spencer Rogers, Esq., C.E. ...	8	1	2	70	...	45.83	209	175
d Llansadwrn (Treffos) ...	C. P. Vivian Hampton, Esq. ...	5	...	...	318	...	49.96	...	...
d Llansadwrn (Gadlys Cottage) ...	A. E. C. Morgan, Esq., M.A. ...	5	1	0	340	...	48.93	...	183
d Llangwyllog (Trescawen) ...	Col. G. H. Pritchard-Rayner ...	5	1	0	239	42.2	44.54	227	187
D HOLYHEAD (Valley Airfield) ...	Meteorological Office ...	8	1	0	32	...	35.84	208	166
D HOLYHEAD (Salt Island) ... (+A)	Meteorological Office ...	5	1	0	26	34.9	37.75	213	158
D Llanerchymedd (Llwydiarth Esgob) ...	T. S. Bown, Esq. ...	5	1	0	175	38.1	45.74	207	175
D Marian Glas (Old Parciau) ...	M. R. Macnab, Esq. ...	5	1	0	150	...	49.54	212	184
d Amlwch (Dyffryn Adda) ...	Mr. Senogles ...	5	1	3	178	36.3	38.21	220	178
d Cemaes Bay (Water-Works) ...	Twrcelyn R.D.C. ...	5	1	0	250	...	38.16	...	...

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of				Rain-fall	Days with	Days with
			Rim above	Ground above	Ground Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
ISLE OF MAN. (Area, 227 sq. mi.)									
D RONALDSWAY AIRPORT ...	Meteorological Office ...	5	1	0	55	...	37·13	208	150
D Ballagawne Reservoir ...	T. C. Greenfield, Esq., B.Sc. ...	5	1	0	365	...	43·91	225	166
W Douglas (Cringle Reservoir) ...	T. C. Greenfield, Esq., B.Sc. ...	5	1	0	500	...	53·13	...	...
D DOUGLAS (Borough Cemetery) ...	Borough Surveyor ...	5	1	0	284	41·2	50·83	212	176
D Douglas (Clype Reservoir, Onchan) ...	Water Engineer ...	8	1	0	440	43·9	51·60	232	171
D West Baldwin Reservoir ...	Water Engineer ...	5	1	0	475	55·7	65·39	233	186
M Sulby Glen (Block Eary Dam) ...	T. C. Greenfield, Esq. B.Sc. ...	5	1	6	620	...	64·33	...	...
Maughold Head ...	Com'rs. of N. Lighthouses ...	5	0	6	230	...	42·54	...	...
D Sulby Filter House ...	T. C. Greenfield, Esq., B.Sc. ...	5	2	6	106	...	49·73	216	169
D POINT OF AYRE ...	Lightkeeper (M.O.) ...	8	1	0	30	...	36·09	201	157
CHANNEL ISLANDS. (Area, 76 sq. mi.)									
JERSEY. 45 sq. mi.									
D St. Saviour's (Petit Ménage) ...	G. J. Robin, Esq. ...	5	0	10	30	...	44·07	205	161
D St. Helier (Harbour Office) ...	Greffier ...	8	1	0	28	...	39·70	179	149
D St. Helier (St. Louis Observatory) ...	Rev. Father C. Rey, S.J.* ...	8	1	5	180	30·4	42·18	200	160
D St. Brelade (La Sergenté) ...	W. Benest, Esq.* ...	5	1	4	194	...	41·22	191	157
D La Colline (Gorey) ...	R. Burrow, Esq. ...	...	...	...	...	...	42·24	191	153
D St. Lawrence (Beaumont Marsh) ...	R. Burrow, Esq. ...	5	1	0	60	...	46·20	188	155
D Millbrook Reservoir ...	R. Burrow, Esq. ...	5	1	11	53	...	43·64	193	154
D Mont au Prêtre (Belmont) ...	W. H. L. Ewart, Esq. C.B.E. ...	5	1	7	250	...	47·05	222	166
D St. Ouen's Manor ...	Sir Guy Malet de Carteret* ...	...	...	...	...	...	37·44	178	144
D Handois Reservoir ...	R. Burrow, Esq. ...	5	1	0	272	...	46·32	198	167
D Trinity (States Experimental Farm) ...	States of Jersey* ...	5	0	10	340	...	45·02	186	158
D St. Ouen (Vincelez) ...	F. le Maistre, Esq.* ...	5	0	11	260	...	42·19	192	147
GUERNSEY. 25 sq. mi.									
D Haut Nez ...	W. H. Morgan, Esq. ...	5	1	0	340	...	43·41	185	156
D Kings Mills ...	W. H. Morgan, Esq. ...	5	1	0	45	...	42·92	184	155
D Les Quartiers ...	A. Higgs, Esq. ...	5	1	2	50	...	40·01	191	141
D GUERNSEY (STATES AIRPORT) ...	Commandant ...	5	1	0	340	...	41·17	197	154
D Vale (La Turquie Hill) ...	H. W. Smith, Esq. ...	5	1	0	40	...	32·22	148	132

Scotland

DIVISION XII—SOUTHERN COUNTIES

WIGTOWNSHIRE. (Area, 488 sq. mi.)

1.—LOCH RYAN. 46 sq. mi.									
D Castle Kennedy (Lochinch) ...	The Earl of Stair ...	8	1	0	85	...	46·17	224	185
2.—WESTERN GALLOWAY. 44 sq. mi.									
D Logan House ...	Mr. G. Steadwood ...	8	1	2	60	37·3	39·34	244	180
3.—LUCE BAY. 186 sq. mi.									
D Port William (Monreith) ...	Monreith Estate Company ...	5	1	0	145	38·5	42·08	200	167
D Stoneykirk (WEST FREUGH Airfield) ...	Meteorological Office ...	5	1	0	52	...	39·40	213	170
W Glenluce (Dunragit) ...	Dept. of Agriculture ...	5	1	0	341	...	45·56	...	...
d Glenluce (Camrie Reservoir) ...	Dept. of Agriculture ...	5	1	2	323	...	50·27	214	179

|| Gauge Sheltered.

* Per R. Burrow, Esq.

DIVISION XII—SOUTHERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge		Average Rain-fall	1950				
				Diam.	Height of Rim above Ground		Ground above Sea Level	Rain-fall	Days with .01 in. or more	Days with .04 in. or more	
WIGTOWNSHIRE—(contd.).				in.	ft.	in.	ft.	in.			
4.—CREE & WIGTOWN BAY. 212 sq. mi.											
D	Garlieston (Galloway House) ...	...	P. H. Fletcher, Esq. ...	5	0	11	30	39.1	44.73	213	180
D	Garlieston (Culderry) ...	...	Capt. A. Walmsley ...	5	1	0	25	...	44.66	217	180
d	Kirkcowan (Craighlaw) ...	...	Mrs. S. R. Fleming-Hamilton ...	5	1	0	300	48.3	51.23	228	187
D	Newton Stewart (Little Barraer) ...	...	H. P. Hawthorn, Esq. ...	5	1	0	180	44.8	49.79	226	184
D	Newton Stewart (Duncree) ...	...	Maj.-Gen. Sir Keith Stewart ...	5	1	0	125	...	51.81	220	188
KIRKCUDBRIGHTSHIRE. (Area, 902 sq. mi.)											
1.—DOON. 16 sq. mi.											
	Rig of Millmore ...	...	British Electricity Authority	5	1	0	1450	...	96.36	...	...
2.—CREE & WIGTOWN BAY. 222 sq. mi.											
	Kirroughtree Forest ...	...	Forestry Commission ...	5	1	3	50	...	53.38	...	...
3.—DEE. 377 sq. mi.											
D	TONGLAND (Power Station) ...	...	British Electricity Authority	5	1	0	69	...	54.05	205	180
D	Threave ...	...	Major A. F. Gordon ...	5	1	0	275	...	53.88	208	176
D	Mossdale (Hensol) ...	...	Marchioness of Ailsa ...	8	1	0	200	51.7	58.78	201	193
D	Laggan of Dee ...	...	British Electricity Authority	5	1	0	550	...	73.81	223	199
D	Clatteringshaws (Tunnel Intake) ...	...	British Electricity Authority	5	1	0	600	70.5	76.06	238	205
D	New Galloway (Wellwood) ...	...	W. McClure, Esq. ...	5	1	0	232	...	60.86	243	186
D	Craigenallie ...	...	British Electricity Authority	5	1	0	740	80.1	93.10	245	207
D	Loch Dee ...	...	British Electricity Authority	5	1	0	800	81.5	97.24	...	...
D	Dalry (GLENLEE) ...	...	British Electricity Authority	5	1	0	181	...	65.05	232	194
D	Dalry (Garroch) ...	...	Arthur Young, Esq. ...	8	1	0	250	59.7	68.90	230	202
D	Dalry (Creaganfois) ...	...	R. C. Hayward, Esq. ...	5	1	0	410	...	55.52	239	189
D	Dalry (Forrest Lodge) ...	...	Sir John Wood, Bart. ...	5	1	0	500	63.2	83.68	266	220
D	Carsphairn (The Knowe) ...	...	J. A. Hunter, Esq. ...	8	2	0	550	...	64.77	217	194
D	Carsphairn (Cornharrow) ...	...	British Electricity Authority	5	1	0	810	53.6	65.68	226	191
D	Carsphairn (Knockengarroch) ...	...	British Electricity Authority	5	1	0	740	58.2	58.10	227	192
4.—URR & C. 196 sq. mi.											
D	Auchencairn (Daffin Cottage) ...	...	Mr. J. H. Milligan ...	5	1	3	50	...	55.90	212	170
	Auchencairn (Torr House) ...	...	Thomas Ovens, Esq. ...	5	1	0	50	47.1	56.29	...	...
D	Castle Douglas (Corbieton) ...	...	Miss A. G. Biggar ...	5	0	9	175	...	52.61	204	172
D	Chipperkyle ...	...	Miss Isobel Pollock Morris	5	1	6	310	...	53.56	200	184
5.—NITH & C. 91 sq. mi.											
D	Lochrutton (Dumfries W.W.) ...	...	J. R. Whyte, Esq., C.E. ...	5	1	0	273	44.0	54.40	222	176
D	Glenkiln Reservoir ...	...	J. R. Whyte, Esq., C.E. ...	5	1	0	450	...	65.62	210	187
DUMFRIESSHIRE. (Area, 1,074 sq. mi.)											
1.—CLYDE. Right Bank Tributaries. 5 sq. mi.											
M	Daer (Whiteholme) ...	...	M. S. Neilson, Esq., C.E. ...	5	1	0	1360	...	93.76	...	...
2.—URR. 6 sq. mi.											
3.—NITH & C. 421 sq. mi.											
D	RUTHWELL (Comlongon Castle) ...	...	The Earl of Mansfield ...	5	1	0	95	35.5	41.14	209	166
D	§DUMFRIES (Crichton Royal Inst.) ...	...	Physician Superintendent ...	5	1	0	140	39.1	44.49	217	165
D	Blackwood ...	...	T. H. Kennedy, Esq. ...	5	1	6	100	41.1	49.75	228	187
D	Maxwelton House ...	...	Maj. Gen. Sir J. E. Laurie, Bt. ...	5	1	0	350	...	48.04	227	178
D	Kettleton ...	...	County Engineer ...	5	1	0	640	...	53.97	222	189
M	§Corsehill ...	...	County Engineer ...	5	1	0	1850	...	(104.56)	...	...

|| Gauge Sheltered.

§ Turf wall round gauge.

DIVISION XII—SOUTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
DUMFRIESSHIRE—(contd.).									
3.—NITH & C. 421 sq. mi.—(contd.).									
M §Whiteside Hill	County Engineer	5	1	0	1680	...	92·31	...	...
M Eucharhead	County Engineer	5	1	0	1370	...	91·53	...	...
D Euchar Bank	County Engineer	5	1	0	1080	...	71·97	257	212
M Poltallan Burn	County Engineer	5	1	0	1550	...	81·86	...	...
D Durrisdeer (Drumlanrig)	W. E. Bourne, Esq.	5	0	9	191	43·6	60·60	246	198
4.—ANNAN. 367 sq. mi.									
D Dalton (Kirkwood)	Captain J. Steel	5	1	8	260	...	47·54	210	173
d Moffat (Auchen Castle)	Sir W. R. Younger, Bart.	5	1	0	480	...	62·87	222	189
5.—ESK. 275 sq. mi.									
D Eaglesfield (Springkell Gardens)	Col. Sir E. A. Johnson-Ferguson, Bart.	5	1	0	303	41·3	51·02	213	170
D Half Morton (Solway Bank)	Major B. Johnson-Ferguson	5	1	0	470	...	55·57	219	180
D Canonbie (Irvine House)	Sir J. H. Milne Home	5	0	9	200	46·5	51·91	212	177
D Winterhope	County Engineer	5	1	0	570	...	63·01	240	195
D Langholm (Craigcleuch)	J. B. Robertson, Esq.	5	1	0	490	...	65·50	233	185
D Eskdalemuir (Sandyford)	County Engineer	5	1	0	728	...	62·65	245	199
M §Eskdalemuir (Cairn Knowe)	County Engineer	5	1	0	1107	...	74·19	...	...
M Eskdalemuir (Blakeshead)	County Engineer	5	1	0	797	...	68·54	...	...
M §Eskdalemuir (Peat Rig)	County Engineer	5	1	0	1251	...	80·77	...	...
M Eskdalemuir (Garwaldshiels)	County Engineer	5	1	0	941	...	72·53	...	...
M §Eskdalemuir (Monkingshaw Knowe)	County Engineer	5	1	0	1054	...	78·72	...	...
D Eskdalemuir (Johnstone House)	Lady Lethem	5	1	0	650	...	64·92	247	198
M §Eskdalemuir (Jock's Shoulder)	County Engineer	5	1	0	1757	...	81·18	...	...
D Eskdalemuir (Kiddamhill)	County Engineer	5	1	0	905	...	75·74	253	211
D ESKDALEMUIR Observatory ... (+A)	Meteorological Office	8	1	4	794	56·3	69·88	247	199
M Eskdalemuir (Cauld Law Grain)	County Engineer	5	1	0	1302	...	81·29	...	...
M §Eskdalemuir (Loch Fell)	County Engineer	5	1	0	2228	...	92·32	...	...
M Eskdalemuir (Pengrain)	County Engineer	5	1	0	1118	...	80·58	...	...
ROXBURGHSHIRE. (Area, 666 sq. mi.)									
1.—NORTH TYNE. 6 sq. mi.									
2.—TWEED. LOWER. Right Bank Tributaries. 57 sq. mi.									
D Yetholm (Old Graden)... ..	P. S. Short, Esq.	5	1	0	500	...	32·32	241	165
3.—TWEED. Teviot & c. 431 sq. mi.									
D Hawick (Westerdykes)	C. W. Grieve, Esq.	5	1	1	320	...	34·14	222	174
D Denholm (Spital Tower)	J. G. Leadbetter, Esq.	5	0	6	425	32·7	32·69	244	166
d Jedburgh (Jedneuk)	Capt. J. S. Aikman, M.C.	5	1	0	268	26·3	25·24	201	142
D Crailing	Mr. J. Y. Burns	5	1	0	190	27·6	27·75	214	149
d Ancrum (Monteviot)	Capt. J. S. Aikman, M.C.	5	1	0	210	29·8	26·89	153	126
d Melrose (Bowden, Kippilaw)	Mr. W. A. Henderson	5	1	1	500	...	28·34	196	146
D St. Boswells (Monksford)	H. R. Neilson, Esq.	5	0	11	320	26·9	28·11	180	129
4.—TWEED. Ettrick & c. 10 sq. mi.									
D Melrose (Dingleton Hospital)	T. C. Mitchell, Esq.	5	1	0	480	30·8	27·82	203	144
5.—TWEED. Gala. 6 sq. mi.									
6.—TWEED. Leader & c. 25 sq. mi.									

§ Turf wall round gauge.

DIVISION XII—SOUTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			above	Sea	Level			or	or
			Ground	Level				more	more
ROXBURGHSHIRE—(contd.).									
		in.	ft.	in.	ft.	in.	in.		
7.—TWEED. LOWER. Left Bank Tributaries. 25 sq. mi.									
D KELSO (FLOORS) ...	Thos. Hall, Esq. ...	5	1	0	195	26·0	27·78	196	157
D Kelso (Hendersyde Park) ...	The Rt. Hon. Countess Peel	5	1	1	180	...	26·46	167	143
D LAUDER (THE ROAN) ...	H. H. Cowan, Esq. ...	5	1	0	550	...	30·25	215	161
8.—ESK. 106 sq. mi.									
W Newcastleton Forest ...	Forestry Commission ...	5	1	0	800	48·5	53·85	...	...

DIVISION XIII—SOUTH-EASTERN COUNTIES

SELKIRKSHIRE. (Area, 268 sq. mi.)									
1.—TWEED. Teviot & c. 34 sq. mi.									
2.—TWEED. Ettrick & c. 192 sq. mi.									
D Ettrick Manse ...	Rev. Dr. W. Addison ...	5	1	2	787	55·6	62·55	239	200
M Edinburgh W.W. (Megget Head) ...	Edinburgh Water Engineer	8	1	6	1496	...	81·70	...	...
D Walkerburn (Elibank) ...	Sir John H. Milne Home ...	5	1	0	440	...	36·34	208	158
3.—TWEED. UPPER. Right Bank Tributaries. 17 sq. mi.									
4.—TWEED. UPPER. Left Bank Tributaries. 19 sq. mi.									
D Caddonfoot (Fairnilee) ...	Mr. A. Bruce ...	5	1	0	450	32·5	34·91	231	160
D Galashiels (The Peel, Clovenfords) ...	Mr. Robert Orr ...	5	1	0	450	35·5	34·80	211	161
M §Galashiels (Knowsdean Reservoir) ...	Water Engineer ...	5	1	0	892	...	36·40	...	...
M Galashiels (Craig Head) ...	Water Engineer ...	5	1	0	900	...	36·87	...	...
M Galashiels (Caddonhead) ...	Water Engineer ...	5	1	6	1050	...	37·73	...	...
5.—TWEED. Gala. 6 sq. mi.									
PEEBLESSHIRE. Area, 348 sq. mi.)									
1.—TWEED. UPPER. Right Bank Tributaries. 127 sq. mi.									
M §Edinburgh W.W. (Ballaman Hill) ...	Edinburgh Water Engineer	5	1	6	1700	...	71·53	...	...
M Edinburgh W.W. (Gameshope Loch) ...	Edinburgh Water Engineer	5	1	0	1900	...	95·11	...	...
M Edinburgh W.W. (Garelot Dod) ...	Edinburgh Water Engineer	5	1	6	2200	...	92·70	...	...
M Edinburgh W.W. (Gameshope Farm) ...	Edinburgh Water Engineer	8	1	6	1538	71·3	90·20	...	...
M Edinburgh W.W. (Fruid Farm) ...	Edinburgh Water Engineer	5	1	6	1020	...	60·80	...	...
M §Edinburgh W.W. (Shiel Hope) ...	Edinburgh Water Engineer	5	1	6	1300	...	65·06	...	...
M Edinburgh W.W. (Hawkshaw) ...	Edinburgh Water Engineer	5	1	6	1100	...	61·60	...	...
M Edinburgh W.W. (Talla Linns Foot) ...	Edinburgh Water Engineer	8	1	6	966	55·2	70·35	...	...
M Edinburgh W.W. (Upper Menzion) ...	Edinburgh Water Engineer	5	1	6	1020	...	56·87	...	...
M Edinburgh W.W. (Nether Garelet) ...	Edinburgh Water Engineer	5	1	0	1700	...	68·74	...	...
M §Edinburgh W.W. (The Rig) ...	Edinburgh Water Engineer	5	1	6	1150	...	57·30	...	...
M §Edinburgh W.W. (Quarter Hill) ...	Edinburgh Water Engineer	8	1	0	1196	46·4	57·47	...	...
D Edinburgh W.W. (Victoria Lodge) ...	Edinburgh Water Engineer	5	1	3	900	50·0	56·37	251	194
2.—TWEED. UPPER. Left Bank Tributaries. 192 sq. mi.									
D Stobo Castle ...	H. Hughes, Esq. ...	5	1	0	594	34·9	42·32	248	180
D PEEBLES (Kingsmeadows) ...	Mr. D. C. Eaglesham ...	5	1	0	525	...	36·05	204	156
D PEEBLES (GLENTRESS) ...	Forestry Commission ...	5	1	0	540	...	34·95	215	154

§Turf wall round gauge.

DIVISION XIII—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			above	Ground	Sea Level			or more	or more
PEEBLESSHIRE—(contd.).		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
2.—TWEED. Upper.—(contd.).									
D West Linton (Woodlea Cottage) ...	Edinburgh Water Engineer	5	0	11	801	35·7	41·48	249	183
D WEST LINTON (Cairnton) ...	late Dr. R. Graham Yooll...	5	1	0	820	38·6	43·63	229	177
D West Linton (Baddingsgill Res.) ...	T. Aitken, Esq. ...	8	1	0	1100	44·6	51·46	253	194
3.—ESK. 23 sq. mi.									
D Eddlestone (Portmore Reservoir) ...	Edinburgh Water Engineer	5	0	6	1000	35·2	39·24	248	166
D Carlops (North Esk Reservoir) ...	J. Gilmour, Esq. ...	5	1	0	1150	39·5	47·54	240	182
4.—CLYDE. Right Bank Tributaries. 6 sq. mi.									
BERWICKSHIRE. (Area, 457 sq. mi.)									
1.—TWEED. Gala. 6 sq. mi.									
2.—TWEED. Leader. 92 sq. mi.									
D Earlston (Cowdenknowes) ...	T. A. Mole, Esq. ...	5	1	3	300	28·8	28·21	197	143
D Earlston (Carolside) ...	Sir J. Gilmour, Bart. ...	5	1	0	350	...	29·13	209	153
3.—TWEED. LOWER. Left Bank Tributaries. 115 sq. mi.									
D Coldstream (Lochton) ...	Mrs. Aitchison ...	5	1	0	150	25·9	24·92	200	140
D Swinton House ...	(+A) Rev. A. E. Swinton, M.A. ...	5	1	0	200	26·4	28·36	216	141
d Paxton (Tweedhill) ...	C. H. Brackenbury, Esq. ...	5	1	0	50	...	28·81	...	...
4.—TWEED. Whiteadder. 164 sq. mi.									
D MARCHMONT House ...	Capt. J. H. F. McEwen ...	5	1	0	498	32·2	31·63	218	147
D Duns (Nisbet House Gardens) ...	Lord Brocket ...	5	1	0	290	...	32·45	214	159
D Duns Castle ...	Mrs. F. S. Hay ...	5	1	0	500	30·8	31·66	219	152
d Duns (Manderston Gardens) ...	Mr. H. E. Wilson ...	5	2	6	353	30·7	30·08	...	...
D Longformacus (Whitchester) ...	Mrs. Laudale ...	5	1	0	838	...	33·14	206	154
5.—EAST COAST STREAMS. 80 sq. mi.									
D ST. ABB'S HEAD (Shore Signal Stn.)...	Chief Officer (M.O.) ...	8	1	0	270	...	26·42	176	127
d Cockburnspath (Redheugh) ...	T. S. Dykes, Esq. ...	5	1	0	288	...	25·81	...	...
EAST LOTHIAN. (Area, 267 sq. mi.)									
1.—TWEED. Leader. 1 sq. mi.									
2.—TWEED. Whiteadder. 35 sq. mi.									
d Lammermuir Hills (Kingside) ...	Adam Robson, Esq. ...	5	1	0	779	...	38·20	...	...
3.—EAST COAST STREAMS. 69 sq. mi.									
w Garvald (Donnolly Reservoir) ...	Adam Robson, Esq. ...	5	1	0	532	32·8	31·00	...	...
w Garvald (Thorter Reservoir) ...	Adam Robson, Esq. ...	5	1	0	725	...	31·22	...	...
4.—TYNE & C. 114 sq. mi.									
D Lammermuir Hills (West Hopes) ...	Adam Robson, Esq. ...	5	1	0	736	34·4	31·63	188	147
5.—FIRTH OF FORTH. 48 sq. mi.									
D East Fortune Hospital. ...	Clerk of Works ...	5	1	4	101	23·5	26·47	176	141
D Aberlady (Ards Place) ...	Mrs. Hemingway ...	5	1	0	40	...	30·14	222	156
D North Berwick Reservoir ...	A. Robertson, Esq., C.E. ...	5	1	0	150	25·4	26·56	191	132
D NORTH BERWICK (Gas Works) ...	Town Council ...	5	1	0	118	24·1	28·10	199	138
6.—INSULAR.									

DIVISION XIII—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with or more	Days with or more
		in.	ft.	in.	ft.	in.	in.		
WEST LOTHIAN. (Area, 120 sq. mi.)									
1.—ALMOND & C. 60 sq. mi.									
M Uphall	No. 7 W. Lothian Hospital Board	8	1	4	646	...	39·80	...	...
M Uphall	No. 8 W. Lothian Hospital Board	8	1	4	577	32·7	36·10	...	...
d Uphall (Middleton Hall)	Scottish Oils, Ltd.	8	1	0	350	31·4	37·01	...	...
D Dalmeny House	The Earl of Rosebery	5	0	6	20	25·9	34·56	211	170
2.—FORTH. Right Bank Tributaries. 59 sq. mi.									
D Blackridge (Bedlormie)	D. Tennant, Esq.	5	1	0	720	...	46·34	241	184
D || Armadale (Stonerigg Filters)	Water Superintendent	5	1	0	620	...	42·08	232	176
d Armadale Sewage Works	Burgh Engineer	5	1	0	417	...	44·46	222	176
D Bathgate (Northbank Filters)	J. Spalding, Esq.	5	0	9	640	33·2	41·97	222	183
D Torphichen (Lochcote)	Wm. Beattie, Esq.	5	0	9	550	33·5	41·57	239	179
D Uphall (Beecraigs) new gauge	Messrs. J. & A. Leslie & Reid	5	1	0	477	...	42·52	234	180
M Carribber Reservoir	Wm. Beattie, Esq.	5	0	9	350	33·1	38·45	...	...
w Linlithgow (Cockleroi Res.)	Burgh Surveyor	5	1	0	587	...	41·84	...	...
D Linlithgow (Preston House)	Head Gardener	5	1	0	380	32·6	41·79	261	175
D Linlithgow (Grange)	Col. H. M. Cadell	5	1	0	440	30·2	37·52	212	162
3.—CLYDE. Right Bank Tributaries. 1 sq. mi.									

DIVISION XIV—SOUTH-WESTERN COUNTIES

LANARKSHIRE. (Area, 881 sq. mi.)

1.—TWEED. UPPER. Left Bank Tributaries. 20 sq. mi.									
2.—ALMOND. 14 sq. mi.									
3.—FORTH. Right Bank Tributaries. 9 sq. mi.									
D Airdrie (Forrestburn Reservoir)	T. Aitken, Esq.	5	1	0	705	37·1	48·41	223	178
4.—CLYDE. Right Bank Tributaries. 378 sq. mi.									
M Daer (Lamb Sike)	M. S. Neilson, Esq., C.E.	5	1	0	1310	...	85·19	...	...
M Daer (Whiteburn)	M. S. Neilson, Esq., C.E.	5	1	0	1250	...	84·06	...	...
D Daer (Crookburn)	M. S. Neilson, Esq., C.E.	5	1	0	1124	...	82·71	248	206
D Daer (Sweetshawhead)	M. S. Neilson, Esq., C.E.	5	1	0	1150	...	77·29	220	197
D Daer (Garls Craig)	M. S. Neilson, Esq., C.E.	5	1	0	985	...	75·30	244	199
M Crawford (Camps Res.) Risingclaw	M. S. Neilson, Esq., C.E.	5	1	0	1610	56·0	78·52	...	...
M § Crawford (Camps Res.) Peat Rig	M. S. Neilson, Esq., C.E.	5	1	0	1485	53·4	73·74	...	...
D Crawford (Camps Reservoir) ... (+A)	M. S. Neilson, Esq., C.E.	5	0	10	969	44·0	54·26	245	184
M Crawford (Camps Res.) Kneesend	M. S. Neilson, Esq., C.E.	5	1	0	1205	47·0	58·34	...	...
M Crawford (Camps Res.) Linnburn	M. S. Neilson, Esq., C.E.	5	1	0	1210	48·8	59·73	...	...
w Coulter Reservoir	J. Bissett Scott, Esq., C.E.	5	1	0	1156	...	48·07	...	...
M Lamington (Cowgill Reservoir)	D. T. Brown, Esq.	5	1	0	1012	42·4	47·55	...	...
D Biggar (Huntfield)	Miss Dunlop	5	1	0	900	31·5	39·45	215	170
D Lamington House	Rt. Hon. Lord Lamington	5	1	0	730	36·9	47·15	218	188
M Carluke	J. Barr, Esq.	5	0	7	630	...	39·15	...	...
D CARLUKE (Law Junction)	Dr. W. A. Galbraith	5	1	0	534	...	38·16	209	163
w Carluke (Springfield Reservoir)	J. Bissett Scott, Esq., C.E.	5	1	0	860	39·5	41·81	...	...
D Carluke (Gair Reservoir)	J. Bissett Scott, Esq., C.E.	5	1	0	665	34·9	36·24	216	164
Wishaw (Coronation Street)	A. Hinshelwood, Esq.	5	1	3	510	...	38·60	...	...
D Shotts Reservoir	M. S. Neilson, Esq., C.E.	5	1	0	812	...	46·68	222	175
D Glasgow (Rutherglen)	F. C. Thomson, Esq.	5	1	0	100	...	43·82	242	177
D Glasgow (Tollcross Park)	G. H. Garside, Esq.	5	1	0	84	37·4	38·98	218	173

§ Turf wall round gauge. || Gauge over-exposed.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
LANARKSHIRE—(contd.).									
4.—CLYDE—(contd.).									
D Glasgow Green ...	G. H. Garside, Esq. ...	5	1	0	35	36.0	40.82	219	180
D Glasgow (Alexandra Park) ...	G. H. Garside, Esq. ...	5	1	0	141	36.0	40.10	222	183
D Glasgow (Botanic Gardens) ...	G. H. Garside, Esq. ...	5	1	0	131	34.7	42.02	225	184
D Glasgow (Kelvingrove Park) ...	G. H. Garside, Esq. ...	5	1	0	48	36.1	42.34	212	181
D Glasgow (Victoria Park) ...	G. H. Garside, Esq. ...	5	1	0	30	36.1	43.23	230	186
D Glasgow (Ruchill Park) ...	G. H. Garside, Esq. ...	5	1	0	222	36.0	40.71	212	178
D GLASGOW (SPRINGBURN PARK) ...	G. H. Garside, Esq. ...	5	0	6	351	36.9	45.37	226	186
M Clarkston (Roughrigg Reservoir) ...	D. T. Brown, Esq., C.E. ...	5	1	0	664	35.8	42.45	...	...
D Coatbridge (West End Park) ...	S. Lauder, Esq. ...	5	1	0	240	...	41.28	222	171
D Coatbridge (Whifflet Public Park) ...	S. Lauder, Esq. ...	5	1	0	295	...	38.68	214	165
D Coatbridge (Dunbeth Public Park) ...	S. Lauder, Esq. ...	5	1	0	325	...	40.88	217	174
D Airdrie (Broomknoll Street) ...	D. T. Brown, Esq., C.E. ...	5	1	0	402	35.0	40.45	211	169
D Gartcosh (Gartloch Hospital) ...	Mr. Donald McMillan ...	5	1	0	291	37.8	41.72	220	173
5.—CLYDE. Left Bank Tributaries. 448 sq. mi.									
M §Daer (Thick Cleuch) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	1485	...	82.19	...	...
D §Daer (Daerhead) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	1304	...	89.39	246	210
M §Daer (Upper Carshope) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	1600	...	86.44	...	...
M §Daer (Lower Carshope) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	1180	...	86.06	...	...
D §Daer (Kirkhope) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	1103	...	88.42	246	209
M §Daer (Kirkhope Cleuch) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	1350	...	88.80	...	...
M §Daer (Hitteril) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	950	...	74.24	...	...
M Elvanfoot (Potrenick Burn) ...	J. Bissett Scott, Esq., C.E. ...	5	1	0	1004	61.5	72.24	...	...
D Elvanfoot (Peden Res.) ...	J. Bissett Scott, Esq., C.E. ...	5	1	0	964	65.1	71.63	191	177
D Douglas (Monksfoot) ...	Iate T. Steele, Esq. ...	5	1	0	780	...	58.84	225	195
D Strathaven (GLENGAVEL Reservoir) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	839	47.9	68.47	256	202
D Strathaven (Dunside Res.) new site ...	M. S. Neilson, Esq., C.E. ...	5	1	0	1002	46.3	64.01	230	207
D Strathaven (Kype Reservoir) ...	G. Allison, Esq. ...	5	1	0	941	46.6	61.73	232	198
D Stonehouse (Sanatorium) ...	Andrew Riddell, Esq. ...	5	0	7	526	36.6	45.42	243	174
D Stonehouse (Glassford Filters) ...	M. S. Neilson, Esq., C.E. ...	5	0	9	775	39.8	50.31	223	183
D Hamilton W.W. (Townhill) ...	George Allison, Esq. ...	5	1	0	430	35.6	42.51	211	172
D Hamilton (Woodlea) ...	Robert Frame, Esq. ...	5	1	4	192	...	41.33	218	167
w Carmunock Water Works ...	G. Sime, Esq. ...	5	1	6	540	...	44.09	...	...
D Blantyre (Livingstone Memorial) ...	R. G. McCallum, Esq. ...	5	1	0	113	...	44.81	232	189
D Cambuslang (Greenlees Filters) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	322	36.3	42.28	230	173
D Glasgow (Bellahouston Park) ...	G. H. Garside, Esq. ...	5	1	0	80	34.6	42.95	217	177
D Glasgow (Elder Park) ...	G. H. Garside, Esq. ...	5	1	0	25	37.0	46.32	236	184
6.—IRVINE. 2 sq. mi.									
7.—AYR. 1 sq. mi.									
8.—NITH. 2 sq. mi.									
9.—ANNAN. 7 sq. mi.									
AYRSHIRE. (Area, 1,135 sq. mi.)									
1.—CLYDE. Left Bank Tributaries. 7 sq. mi.									
2.—FIRTH OF CLYDE. 60 sq. mi.									
D §Ardrossan (Mill Glen Filters) ...	H. R. Seaton, Esq. ...	5	1	0	167	...	43.64	232	182
D Stevenston (Greenhead Filters) ...	W. G. Guild, Esq. ...	5	1	0	186	41.6	43.74	219	175
w Ardrossan (Busbie Reservoir) ...	H. R. Seaton, Esq. ...	5	1	0	370	...	49.05	...	...

‡ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of				Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
AYRSHIRE—(contd.).									
2.—FIRTH OF CLYDE.—(contd.).									
M West Kilbride (Crosbie Reservoir) ...	T. W. Leslie, Esq. ...	5	1	0	400	...	46·45	...	...
D West Kilbride (Hunterston) ...	Lt.-Gen. Sir A. Hunter- Weston, K.C.B. ...	5	1	0	40	42·4	46·36	213	179
Fairlie (Water Works) ...	T. W. Leslie, Esq. ...	5	1	0	270	...	51·55	...	...
D Largs (Stevenson Institute) ...	G. Arkieson, Esq. ...	5	1	0	20	...	49·84	221	184
D LARGS (WOODBANK) ...	A. Simpson, Esq. ...	5	1	0	25	...	49·81	227	179
D Largs (Middleton Filters) ...	G. Arkieson, Esq. ...	5	1	0	230	52·0	51·42	227	186
Shaws W.W. (Knockencorsan) ...	J. MacAlister, Esq., C.E. ...	5	1	0	1040	...	61·80	...	...
Shaws W.W. (Largs Road) ...	J. MacAlister, Esq., C.E. ...	5	1	0	910	57·0	60·20	...	...
3.—IRVINE & C. 296 sq. mi.									
D PRESTWICK ...	Burgh Surveyor ...	5	1	0	17	31·0	36·48	209	158
D PRESTWICK AIRPORT ...	(+A) Meteorological Office ...	5	1	0	30	33·6	36·16	202	153
D Prestwick (Ladykirk Filters) ...	Burgh Surveyor ...	6	1	0	185	...	39·19	212	161
D Hurlford (Carnell) ...	Mrs. J. B. Findlay ...	5	1	0	300	...	50·98	210	191
D Troon (Collenan Reservoir) ...	Burgh Surveyor ...	5	1	0	203	...	37·33	185	157
D Treesbank ...	Mr. A. B. Stewart ...	5	1	0	150	...	45·54	232	173
D Irvine (Gailes) ...	A. Forrest, Esq. ...	5	1	0	12	35·9	38·87	199	164
d Galston (Cessnock Road) ...	Burgh Surveyor ...	5	1	0	215	...	54·27	203	175
D Newmilns (Lanfine) ...	W. Logan, Esq. ...	5	1	6	500	43·4	59·44	213	184
D Templetonburn ...	F. C. Howie, Esq. ...	5	1	0	140	...	49·87	216	174
D Darvel (Kirkland Park) ...	Burgh Surveyor ...	5	1	0	347	...	52·30	213	171
M Raithill ...	W. N. McCall, Esq. ...	5	1	6	640	...	60·91	...	...
D KILMARNOCK (Springhill Hse.) ...	(+A) W. N. McCall, Esq. ...	5	0	11	115	...	44·90	216	169
D Irvine (Cunninghame Home) ...	Governor ...	5	1	0	24	...	40·50	194	171
D Kilmarnock (North Craig Res.) ...	W. N. McCall, Esq. ...	5	1	0	319	41·2	53·07	213	181
D Montgreenan Gardens ...	Capt. C. B. G. Coltart ...	5	0	9	180	...	49·34	203	173
Fenwick (Whiteleehill) ...	W. N. McCall, Esq. ...	5	1	0	915	48·6	64·16	...	...
D Fenwick (Amlaird Filters) ...	W. N. McCall, Esq. ...	5	1	0	590	43·3	54·26	235	180
Craigenduntun Reservoir ...	W. N. McCall, Esq. ...	5	1	0	805	48·9	66·29	...	...
Loch Goin Reservoir ...	W. N. McCall, Esq. ...	5	1	0	865	49·4	72·79?	...	...
D Blair Gardens ...	W. N. McCall, Esq. ...	5	1	0	155	...	54·01	233	177
Moor Farm ...	W. N. McCall, Esq. ...	5	1	0	810	...	59·90	...	...
D Stewarton Filters ...	C. McL. Bodie, Esq. ...	5	1	6	515	...	54·64	238	184
D Dalry (Munnock Reservoir) ...	W. G. Guild, Esq. ...	5	1	0	325	47·9	54·51	241	194
D Dalry (Caaf Reservoir) ...	W. G. Guild, Esq. ...	5	1	3	515	53·2	63·41	244	200
D Dalry W.W. (Filters) ...	T. W. Leslie, Esq. ...	5	1	0	320	46·5	49·57	219	181
D Dalry W.W. (Thirdpart) ...	T. W. Leslie, Esq. ...	5	1	0	560	52·0	55·19	...	...
M §Dalry (Drum Burn) ...	W. G. Guild, Esq. ...	5	0	11	744	...	56·55	...	...
M Dalry (South Knockendon) ...	W. G. Guild, Esq. ...	5	1	1	704	...	60·10	...	...
D Dalry (Knockendon) ...	W. G. Guild, Esq. ...	5	1	0	750	...	62·60	...	...
M Dalry (South Bradshaw) ...	W. G. Guild, Esq. ...	5	1	1	946	...	58·45	...	...
M Dalry (Haining) ...	J. A. McGregor, Esq., C.E. ...	5	1	0	895	...	65·90	...	...
D Dalry (Campmill Reservoir) ...	(+A) J. A. McGregor, Esq., C.E. ...	5	1	0	611	61·2	72·96	...	...
M Dalry (Catburn) ...	J. A. McGregor, Esq., C.E. ...	5	1	0	1013	...	71·75	...	...
M Dalry (Whitehill) ...	J. A. McGregor, Esq., C.E. ...	5	1	0	628	...	68·80	...	...
M Dalry (Blairpark) ...	J. A. McGregor, Esq., C.E. ...	5	1	0	722	...	66·45	...	...
M Dalry (Rye Water) ...	J. A. McGregor, Esq., C.E. ...	5	1	0	1032	...	72·55	...	...
D Beith (Filter Station) ...	T. W. Leslie, Esq. ...	5	1	0	412	53·7	61·13	227	187
D Kilbirnie (Hole House Filters) ...	T. W. Leslie, Esq. ...	5	1	0	377	68·0	71·67	244	209
M Kilbirnie (Pundeavon Res.) ...	T. W. Leslie, Esq. ...	5	1	0	898	...	86·47	...	...
4.—AYR. 222 sq. mi.									
D Ayr Cemetery ...	Thomas O'Beirne, Esq., C.E. ...	5	1	0	40	34·8	37·38	201	164
D AUCHINCUIVE ...	W. Scotland Coll. of Agric. ...	8	1	0	147	39·0	41·83	205	169

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of				Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Ground above Sea Level					
AYRSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
4.—AYR—(contd.).									
D Muirkirk (Kaimshill) ...	... National Coal Board ...	5	1	6	750	47.8	55.41	235	190
D Mauchline (Hillhead Tank) ...	... T. W. Leslie, Esq. ...	5	1	0	564	42.8	51.06	222	180
5.—DOON. 119 sq. mi.									
M Tunskeen ...	... British Electricity Authority ...	5	1	0	1010	76.2	89.99	...	...
Loch Recawr ...	... Thomas O'Beirne, Esq., C.E. ...	5	1	0	933	...	85.80	...	...
d Loch Finlas ...	... Thomas O'Beirne, Esq., C.E. ...	5	1	0	849	55.1	66.15	...	...
D Dalmellington (Mossdale Filters) ...	... T. W. Leslie, Esq. ...	5	1	0	752	48.6	58.95	253	207
D Dunaskin (Ardoon) ...	... National Coal Board ...	5	1	0	686	47.8	52.04	231	190
D Patna (Kerse Filters) ...	... T. W. Leslie, Esq. ...	5	1	0	741	...	53.83	262	199
D Maybole (Otterden) ...	... Mr. D. Bremner ...	5	1	0	314	43.2	46.70	232	184
Dalrymple (Knockjarder W.W.) ...	... Thomas O'Beirne, Esq., C.E. ...	5	1	0	287	42.6	46.31	...	...
D Ayr (Doonholm) ...	... Col. N. Kennedy, C.B.E., D.S.O. ...	5	1	0	90	38.8	48.97	230	180
D Alloway (Doonside) ...	... Col. F. C. Dunlop ...	5	1	2	99	...	51.17	224	186
6.—CULZEAN BAY & C. 32 sq. mi.									
d TURNBERRY ...	... Hotels Executive ...	5	1	0	63	...	(38.86)	(209)	(176)
D Maybole (Culzean Castle Gardens) ...	... Mr. W. J. Orr ...	8	1	3	138	...	43.36	215	174
7.—GIRVAN. 105 sq. mi.									
D Girvan (Penwhapple Res.) ...	... Burgh Surveyor ...	5	1	0	662	...	59.35	238	193
w Loch Bradan ...	... Burgh Surveyor, Troon ...	5	0	10	990	57.6	63.56	...	...
8. STINCHAR & C. 155 sq. mi.									
d Glenapp Castle Gardens ...	... Mr. J. A. Macdonald ...	5	1	0	300	...	53.87	(228)	(195)
D Ballantrae ...	... D. J. W. Gray, Esq., M.B.E. ...	5	1	0	15	...	44.34	248	189
D COLMONELL (Knockdolian) ...	... Maj.-Gen. D. McConnell ...	5	1	0	170	44.8	47.10	205	178
w Girvan (Glendrisaigh Res.) ...	... Burgh Surveyor ...	11	0	9	266	...	48.92	...	...
9.—LOCH RYAN. 12 sq. mi.									
10.—LUCE BAY. 15 sq. mi.									
D Ballantrae (Lagafater Lodge) ...	... Cedric R. Boulton, Esq. ...	5	0	11	792	64.8	65.14	229	210
11.—CREE. 40 sq. mi.									
12.—DEE. 9 sq. mi.									
13.—NITH. 62 sq. mi.									
Afton Res. (Afton Water) ...	... T. W. Leslie, Esq. ...	5	1	0	1525	80.6	92.65	...	...
Afton Res. (Alwhart Burn) ...	... T. W. Leslie, Esq. ...	5	1	0	1435	81.1	93.10	...	...
Afton Res. (Montraw Burn) ...	... T. W. Leslie, Esq. ...	5	1	0	1554	78.9	91.60	...	...
§Afton Res. (Montraw) ...	... T. W. Leslie, Esq. ...	5	1	0	1372	77.0	89.25	...	...
Afton Res. (Green Burn) ...	... T. W. Leslie, Esq. ...	5	1	0	1415	85.8	99.55	...	...
D Afton Res. (Filters) ...	... T. W. Leslie, Esq. ...	5	1	0	1366	...	85.84	267	207
D Glen Afton (Ayr Sanatorium) ...	... Dr. Wm. A. Murray ...	5	1	0	833	53.2	61.55	239	196
D New Cumnock (Power Station) ...	... National Coal Board ...	5	1	0	764	55.8	59.90	224	185
14.—INSULAR. 1 sq. mi.									

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground above Sea Level		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.		ft.				in.	in.
RENFREWSHIRE. (Area, 241 sq. mi.)									
1.—CLYDE. Right Bank Tributaries. 3 sq. mi.									
2.—CLYDE. Left Bank Tributaries. 194 sq. mi.									
M	Eaglesham (Dunwan Res.) ... No. 3 Geo. Sime, Esq. ...	5	1	0	822	50·5	61·01	...	...
	Eaglesham (Dunwan Res.) ... No. 4 Geo. Sime, Esq. ...	5	1	0	841	50·6	60·66	...	...
w	Eaglesham (Dunwan Res.) ... No. 2 Geo. Sime, Esq. ...	5	1	0	820	...	60·62	...	...
w	Eaglesham (Picketlaw Res.) ... No. 1 Geo. Sime, Esq. ...	5	1	0	690	...	60·92	...	...
D	Gorbals Dist. W.W. (Waulk Glen) ... S. D. Canvin, Esq., C.E. ...	8	0	9	280	47·2	55·61	225	189
	Paisley W.W. (Muirhead) ... J. A. McGregor, Esq., C.E. ...	5	1	0	482	53·9	59·89	...	...
	Paisley W.W. (Springside) ... J. A. McGregor, Esq., C.E. ...	5	1	0	532	59·1	59·51	...	...
	Paisley W.W. (Back Thornlymuir) ... J. A. McGregor, Esq., C.E. ...	12	1	0	646	50·9	54·73	...	...
	Paisley W.W. (Stanely) ... J. A. McGregor, Esq., C.E. ...	5	1	0	190	...	50·97	...	...
D	Barrhead (Sewage Works) ... Burgh Surveyor ...	5	1	0	100	...	45·80	210	174
D	Howwood (Midton House) ... A. D. McNab, Esq. ...	5	1	3	232	56·9	59·91	229	193
D	Pollokshaws (Rouken Glen) ... G. H. Garside, Esq. ...	5	1	0	155	43·2	48·76	214	181
D	Glasgow (Linn Park) ... G. H. Garside, Esq. ...	5	1	0	164	...	43·03	225	191
D	Glasgow (Queen's Park) ... G. H. Garside, Esq. ...	5	0	9	147	36·1	41·53	229	187
D	Glasgow (Maxwell Park) ... G. H. Garside, Esq. ...	5	1	0	69	35·7	43·02	220	184
D	Lochwinnoch (Kaim Dam) ... J. H. Murray, Esq., C.E. ...	8	1	0	616	...	79·53	242	204
d	Kilbarchan (Glentyan) ... J. C. Hunter, Esq., J.P. ...	5	1	1	300	52·6	64·22	...	...
D	Paisley (Thornly Park School) ... W. K. Wallace Lees, Esq. ...	5	1	0	195	...	53·01	183	173
D	PAISLEY (Coats Observatory) ... Obs. Com. (J. Woodrow) ...	8	1	0	106	40·7	44·75	219	177
	§Shaws W.W. (Duchal Moor) ... J. MacAlister, Esq., C.E. ...	5	1	0	1150	...	80·00	...	...
	§Shaws W.W. (Creuch Hill) ... J. MacAlister, Esq., C.E. ...	5	1	0	1350	...	76·30	...	...
	Shaws W.W. (Green Water) ... J. MacAlister, Esq., C.E. ...	5	1	0	788	68·1	72·80	...	...
D	RENFREW (Glasgow Airport) (+A) Meteorological Office ...	8	1	0	29	37·0	41·85	213	173
D	Kilmacolm Waterworks ... James Grier, Esq. ...	5	1	0	600	...	69·60	242	199
D	Kilmacolm Village ... James Grier, Esq. ...	5	1	0	300	51·7	62·87	237	192
D	Shaws W.W. (Gryfe Reservoir) ... J. MacAlister, Esq., C.E. ...	5	1	0	640	64·0	69·42	232	199
D	Shaws W.W. (Mansfield) ... J. MacAlister, Esq., C.E. ...	5	1	0	573	65·2	65·42	232	197
	Shaws W.W. (Darndaff Moor) ... J. MacAlister, Esq., C.E. ...	5	1	0	850	64·5	69·30	...	...
w	Shaws W.W. (Kelly Dam) ... J. MacAlister, Esq., C.E. ...	5	1	0	640	63·6	60·10?	...	...
3.—FIRTH OF CLYDE. 34 sq. mi.									
	Inverkip (Daff Burn Reservoir) ... W. V. Kelly, Esq., C.E. ...	8	1	0	506	58·4	63·02	...	...
D	Doughiehill Filters (Pt. Glas. W.W.) ... I. M. MacLean, Esq., C.E. ...	8	1	6	550	53·4	55·71	213	192
D	Parkhill Filters (Pt. Glas. W.W.) ... I. M. MacLean, Esq., C.E. ...	8	1	6	275	48·1	50·66	213	185
D	§Shaws W.W. (Compensation Res.) ... J. MacAlister, Esq., C.E. ...	5	1	0	600	...	65·58	247	206
D	Shaws W.W. (Loch Thom) ... J. MacAlister, Esq., C.E. ...	5	1	0	643	65·4	69·60	249	208
w	Shaws W.W. (Shielhill) ... J. MacAlister, Esq., C.E. ...	5	1	0	962	64·2	67·20	...	...
D	Shaws W.W. (New Yett's Dam) ... J. MacAlister, Esq., C.E. ...	5	1	0	800	63·2	69·07	241	207
w	Shaws W.W. (Spango Burn) ... J. MacAlister, Esq., C.E. ...	5	1	0	757	62·6	70·70	...	...
D	Shaws W.W. (Hole Glen) ... J. MacAlister, Esq., C.E. ...	5	1	0	603	61·6	72·75	242	206
D	GREENOCK (Prospect Hill) (+A) J. MacAlister, Esq., C.E. ...	5	1	0	199	58·2	62·35	239	195
D	Gourock (Coves Reservoir) ... W. V. Kelly, Esq., C.E. ...	5	1	0	350	...	59·62	220	188
4.—IRVINE. 10 sq. mi.									

§ Turf wall round gauge.

DIVISION XV—WEST MIDLAND COUNTIES

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		above		Rain-fall	Days with	Days with
			Rim	Ground	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
		in.	ft.	in.	ft.	in.	in.		
DUNBARTONSHIRE. (Area, 270 sq. mi.)									
1.—FORTH. Right Bank Tributaries. 10 sq. mi.									
2.—FIRTH OF CLYDE & COWAL. 52 sq. mi.									
D HELENSBURGH (Valve House) ...	Burgh Engineer ...	8	1	0	293	53·0	59·92	230	198
Garelochhead (Whistlefield Filters) ...	Malcolm Ross, Esq. ...	5	1	0	295	...	59·74	...	...
D Garelochhead (Arddarroch Gdns.) ...	Mr. D. Macpherson ...	5	1	0	100	...	78·64	246	217
3.—CLYDE. Leven. 149 sq. mi.									
D Dumbarton (Sewage Works) ...	W. Wilson, Esq., C.E. ...	5	1	0	11	...	46·53	203	178
D Renton (Carman Filters) ...	J. Collier, Esq. ...	8	1	0	292	46·8	51·64	232	193
D Loch Lomond Park ...	G. H. Garside, Esq. ...	5	1	0	156	50·2	62·66	243	212
M Glen Finlas Reservoir ...	No. 1 Malcolm Ross, Esq. ...	5	1	0	782	69·1	86·30	...	...
Glen Fruin (Auchingaich Res.) S. ...	Malcolm Ross, Esq. ...	5	1	0	800	...	81·60	...	...
Glen Fruin (Auchingaich Res.) N. ...	Malcolm Ross, Esq. ...	5	1	0	800	...	77·84	...	...
D Glen Finlas Reservoir ...	No. 2 Malcolm Ross, Esq. ...	5	1	0	810	81·4	93·97	234	211
D Loch Sloy (Coiregrogain) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	449	...	130·41	255	245
D Loch Sloy (Sloy Power Station) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	40	...	113·52	254	223
D Loch Sloy (Sloy Dam) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	966	...	152·49	237	235
W Ardvorlich ...	N. of S. Hydro-Electric Bd. ...	5	1	0	1123	...	133·30	...	...
D Allt a Chnoic ...	N. of S. Hydro-Electric Bd. ...	5	1	0	1349	...	124·04	230	227
4.—CLYDE. Right Bank Tributaries. 59 sq. mi.									
D Duntocher (Cochno Filters) ...	J. E. McWilliam, Esq. ...	5	1	0	400	44·2	49·85	218	177
d Milngavie (Creagh Dhu Road) ...	J. M. Goldie, Esq. ...	5	1	0	180	...	55·15	219	183
w Kilpatrick Hills (Greenside Res.) ...	J. E. McWilliam, Esq. ...	5	1	0	876	51·8	59·85	...	...
w Kilpatrick Hills (Loch Cochno) ...	J. E. McWilliam, Esq. ...	5	1	0	909	52·8	63·19	...	...
w Kilpatrick Hills (Jaw Reservoir) ...	J. E. McWilliam, Esq. ...	5	1	0	912	53·9	68·63	...	...
STIRLINGSHIRE. (Area, 463 sq. mi.)									
1.—FORTH. Right Bank Tributaries. 263 sq. mi.									
D Polmont (Vellore) ...	R. M. W. Brown, Esq. ...	5	1	0	320	32·0	39·14	213	158
d Falkirk (Inglewood, Laurieston) ...	Miss H. S. D. Ballantine ...	5	1	0	133	34·8	38·05	203	182
D Falkirk (Westbank) Garden ...	W. Gibson, Esq. ...	5	1	0	75	36·0	41·09	207	178
D Falkirk (Westbank) Lawn ...	W. Gibson, Esq. ...	5	1	0	105	33·6	41·19	205	179
D FALKIRK (Arnotdale) ...	W. Gibson, Esq. ...	5	1	0	105	33·7	41·28	207	180
Falkirk (Kerse) ...	Robert Johnston, Esq., C.E. ...	5	1	0	18	31·9	36·60	...	...
d Grangemouth (Burgh Depot) ...	J. C. Wallace, Esq., C.E. ...	5	1	0	15	...	34·27	194	145
M Little Denny Reservoir ...	Stirling & Falkirk W. Bd. ...	8	1	0	326	42·8	51·74	...	...
M Little Denny Filters ...	Stirling & Falkirk W. Bd. ...	8	1	0	243	42·4	50·40	...	...
M Kilsyth (Faughlin Reservoir) ...	Stirling & Falkirk W. Bd. ...	8	1	0	707	54·4	62·85	...	...
M Fintry (Waterhead) ...	Stirling & Falkirk W. Bd. ...	8	1	0	850	61·3	78·61	...	...
M Denny (Buckieburn Reservoir) ...	Stirling & Falkirk W. Bd. ...	8	1	0	824	45·3	65·53	...	...
M Denny (Buckieburn Filters) ...	Stirling & Falkirk W. Bd. ...	8	1	0	760	42·1	63·97	...	...
D Plean (Governor's House) ...	Lt.-Col. S. H. Cowan ...	5	1	0	120	...	41·16	213	169
M Earlsburn Reservoir ...	Stirling & Falkirk W. Bd. ...	8	1	0	1202	56·8	71·64	...	...
D Stirling (North Third Res.) ...	No. 1 J. C. Wallace, Esq., C.E. ...	8	0	10	574	49·4	59·18	242	190
M Stirling (North Third Res.) ...	No. 2 J. C. Wallace, Esq., C.E. ...	5	1	0	825	...	58·60	...	...
M Stirling (North Third Res.) ...	No. 3 J. C. Wallace, Esq., C.E. ...	5	1	0	1010	...	60·55	...	...
D Stirling (Touch Reservoir) ...	No. 3 D. B. Marrs, Esq. ...	8	1	0	759	49·1	55·96	231	191
D Stirling (Touch Reservoir) ...	No. 2 D. B. Marrs, Esq. ...	8	1	0	707	47·9	51·71	229	179
D Stirling (Touch Reservoir) ...	No. 1 D. B. Marrs, Esq. ...	8	1	0	455	47·6	55·52	234	187
D Polmaise Castle Gardens ...	Mr. A. Copeland ...	5	1	1	220	...	50·91	200	167
D Kippen (Gribloch Gardens) ...	Head Gardener ...	5	1	0	530	...	49·70	226	195
D STIRLING (Sauchie House) ...	Town Council ...	5	1	0	151	35·9	40·76	201	160
D Meiklewood ...	Mr. W. Donaldson ...	5	1	0	35	...	46·35	202	179

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
STIRLINGSHIRE—(contd.).									
1.—FORTH—(contd.).									
M Duchray Valley (Ben Lomond) ...	S. D. Canvin, Esq., C.E. ...	8	1	3	1500	89·2	107·88	...	...
M Duchray Valley (Glen Dhu) ...	S. D. Canvin, Esq., C.E. ...	8	1	0	500	81·8	90·50	...	...
M Duchray Valley (Comer) ...	S. D. Canvin, Esq., C.E. ...	8	1	0	600	86·5	95·76	...	...
M Duchray Valley (Achaidd Burn) ...	S. D. Canvin, Esq., C.E. ...	8	1	0	1200	94·4	109·44	...	...
Duchray Valley (Hd. of Main Stream)	S. D. Canvin, Esq., C.E. ...	8	1	0	950	88·8	104·23	...	...
2.—FORTH. Teith. 5 sq. mi.									
D Stronachlachar (Invergyle) ...	S. D. Canvin, Esq., C.E. ...	8	1	0	376	83·2	85·44	251	217
3.—FORTH. Left Bank Tributaries. 15 sq. mi.									
D Bridge of Allan (Langlands) ...	W. H. Gillespie, Esq. ...	5	1	0	45	...	41·31	216	172
4.—CLYDE. Leven. 128 sq. mi.									
M Kilpatrick Hills (Burncrooks Res.) ...	J. E. McWilliam, Esq. ...	5	1	0	835	51·9	60·22	...	...
M Killearn (The Oaks) ...	Jas. Shearer, Esq. ...	5	1	6	250	...	52·07	...	...
D Fintry (Police Station) ...	S. Armstrong, Esq. ...	5	1	0	300	...	68·43	222	190
D Balfroon (Old Ballikinrain) ...	A. R. Cross, Esq. ...	5	1	0	214	...	55·22	243	194
D Drymen (Park of Drumquhussle) ...	Miss B. A. Mitchell ...	5	1	3	67	...	50·66	...	...
D BALFRON (High School) ...	E. G. McHutchon, Esq., M.A. ...	5	1	0	342	...	53·63	235	192
Loch Arklet (Corriehichon) ...	S. D. Canvin, Esq., C.E. ...	8	1	6	870	82·6	99·30	...	...
5.—CLYDE. Right Bank Tributaries. 52 sq. mi.									
D Strathblane (Mugdock Reservoir) ...	S. D. Canvin, Esq., C.E. ...	8	0	6	320	46·2	58·25	234	200
D Milngavie (Eastertoun) ...	Major R. M. Ker ...	5	1	0	450	46·4	56·47	232	187
D Kilsyth (Innsbridge) ...	J. Milne, Esq. ...	5	4	6	197	47·7	58·76	252	199
D Lennoxtown ...	W. R. Patterson, Esq. ...	5	1	0	200	...	63·94	242	197
BUTESHIRE. (Area, 218 sq. mi.)									
1.—ISLE OF BUTE. 50 sq. mi.									
D Rothesay (Dhu Loch W.W.) ...	A. Stephen, Esq. ...	5	1	6	273	...	53·94	228	191
ROTHESAY (Ardencraig) ...	Mr. J. McPhail ...	5	1	0	200	49·0	58·24	232	195
2.—CUMBRAES. 4 sq. mi.									
D Millport (St. Andrew's Home) ...	Medical Superintendent ...	5	0	9	10	...	47·81	209	172
D Millport (Marine Biological Stn.) ...	Director ...	5	1	0	16	40·1	44·13	219	166
w Millport (Water Works) ...	J. Russell, Esq. ...	10	3	6	167	...	46·38	...	...
3.—ARRAN. 164 sq. mi.									
d Dougarie Lodge ...	P. Helm, Esq. ...	5	1	0	50	46·0	50·83	226	205
ARGYLLSHIRE. (Area, 3,181 sq. mi.)									
1.—TAY. Tummel. 36 sq. mi.									
2.—SOUND OF ARISAIG, SOUND OF MULL & C. 317 sq. mi.									
D Ardnamurchan Lighthouse ...	Com'rs. of N. Lighthouses ...	5	1	0	40	...	55·09	234	205
D Morvern (Drimnin) ...	Miss A. Horsman ...	5	1	0	225	62·4	75·26	260	229
w Loch Sunart (Carnlia, Salen) ...	Dr. D. Fergusson ...	5	1	0	35	76·9	88·42	...	...
3.—LOCH LINNHE. Right Bank Tributaries. 139 sq. mi.									
D Morvern (Kingairloch) ...	Mr. A. Cameron ...	5	1	0	40	98·4	125·55	241	224
D Ardgor (Inversanda) ...	Mrs. N. Irvine ...	5	1	0	25	...	119·50	267	233
Corran Lighthouse ...	Com'rs. of N. Lighthouses ...	5	1	0	13	81·0	101·36	230	219
D Ardgor House ...	Mrs. Maclean of Ardgor ...	5	0	10	60	97·6	110·41	264	235
D Conaglen ...	Mrs. M. Kerr ...	5	0	4	50	...	115·43	270	234

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			.01 in. or more	.04 in. or more
ARGYLLSHIRE—(contd.).									
		in.	ft.	in.	ft.	in.	in.		
4.—LOCH LINNHE. Left Bank Tributaries. 165 sq. mi.									
D Barcaldine	Forestry Commission ...	5	1	0	50	65.9	77.11	243	212
D Loch Creran (Rhu Garbh)	Miss Chisholm of Chisholm ...	5	1	0	20	...	74.38	249	206
D Duror (Achadh Nan Sqiath)	G. H. Malcolm, Esq. ...	5	1	0	40	...	74.97	243	233
Glenduror Forest	Forestry Commission ...	5	1	0	950	...	132.77	...	...
D Glencoe Gardens	Mr. D. MacDonald ...	8	1	1	85	...	120.47	260	234
D Glenleven (Kinlochleven)	British Aluminium Co. Ltd.	8	1	0	140	86.4	99.71	265	225
5.—LOCH ETIVE. 197 sq. mi.									
D Taynuilt (Muckairn)	S. L. Courtauld, Esq. ...	5	0	9	60	...	70.84	248	203
6.—LOCH ETIVE. Loch Awe. 319 sq. mi.									
D Loch Awe (Inverinan)	W. D. Rattray, Esq. ...	5	1	0	150	...	91.59	246	218
d Acurrach	N. of S. Hydro-Electric Bd.	5	1	0	617	...	89.25	...	...
7.—FIRTH OF LORNE. 112 sq. mi.									
d Kilmelfort (Arduaine)	Mrs. Campbell of Arduaine	5	0	10	23	57.9	69.24	252	213
d Kilmelfort (Kilchoan)	Miss D. M. Henderson ...	5	1	0	30	58.6	65.57	230	206
Kilniver	A. F. Nicol, Esq. ...	5	1	5	40	58.7	74.78	...	...
w Oban (Gleann-a-Bhearraidh Res.)	Burgh Surveyor ...	8	1	6	400	57.2	68.62	...	...
D OBAN	Burgh Surveyor ...	8	1	1	229	...	66.57	237	205
8.—SOUND OF JURA. 163 sq. mi.									
d Lochgilphead (Poltalloch)	Colonel G. I. Malcolm ...	5	1	3	120	52.7	65.38	251	215
9.—KINTYRE, WEST. 146 sq. mi.									
|| Mull of Kintyre	Com'rs. of N. Lighthouses	5	1	0	270	40.9	44.86	213	186
D West Loch Tarbert (Ardpatrick)	W. B. K. Kenneil, Esq. ...	5	0	10	25	...	42.54	234	180
w West Loch Tarbert (Dunmore)	Capt. J. V. Taylor ...	5	1	8	100	...	53.63	...	...
10.—KINTYRE, EAST. 177 sq. mi.									
D Campbeltown	D. M. Kellock, Esq., C.E....	5	1	0	20	...	55.29	229	191
d Glen Lussa (Corrylach)	N. of S. Hydro-Electric Bd.	5	1	0	442	...	66.16	...	206
M Glen Lussa (Bordadubh)	N. of S. Hydro-Electric Bd.	5	1	0	570	...	72.85	...	...
D Carradale (Torrisdale Castle)	Mrs. John Campbell ...	5	1	0	84	65.5	76.20	247	212
D Carradale (Saddell Manse)	Rev. J. A. Argyll Baker ...	5	1	6	25	62.6	71.62	252	210
D Monybacach (Skipness)	W. McLaren, Esq. ...	5	1	1	80	48.8	59.33	228	200
11.—LOCH FYNE. 264 sq. mi.									
D Ardlamont (Kilbride)	J. W. Turnbull, Esq. ...	5	1	0	110	46.5	61.29	221	197
D Ardrishaig (Canal Office)	Engineer & Manager ...	5	1	0	48	63.5	78.20	249	215
D Crarae Lodge	Capt. G. I. Campbell ...	5	1	0	20	70.2	78.16	240	210
D Strachur Park	Lady G. Campbell ...	5	1	9	25	68.8	79.71	257	217
D Brechoillie	A. R. Page, Esq. ...	5	1	0	240	68.9	84.69	231	215
D Inverary Castle Gardens	A. R. Page, Esq. ...	5	1	0	40	77.2	91.67	241	217
w Loch Sloy (Beinn Chortanach)	N. of S. Hydro-Electric Bd.	5	1	0	1340	...	153.57	...	...
w Loch Sloy (Allt Uaine)	N. of S. Hydro-Electric Bd.	5	1	0	1123	...	146.50	...	...
d Ellerigbeg	N. of S. Hydro-Electric Bd.	5	1	0	29	...	82.91	...	...
w Brannie Burn	N. of S. Hydro-Electric Bd.	5	1	0	1370	...	107.90	...	...
D Glenfyne Lodge	N. of S. Hydro-Electric Bd.	5	1	0	126	...	101.04?	233	224
w Allt Na Lairige	N. of S. Hydro-Electric Bd.	5	1	0	1075	...	129.74	...	...
w Sron-Mor	N. of S. Hydro-Electric Bd.	5	1	0	1194	...	102.08	...	...
M Loch Fyne Head	N. of S. Hydro-Electric Bd.	5	1	0	1151	...	123.48	...	...

|| Site unorthodox.

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of Rim above Ground	Height of Ground above Sea Level			Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
ARGYLLSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
12.—FIRTH OF CLYDE AND COWAL. 242 sq. mi.									
D Toward (Knockdow Gardens)	... Miss Augusta Lamont ...	5	1	6	101	56·8	60·62	241	204
d DUNOON	... Burgh Surveyor ...	5	1	0	132	...	75·62	225	202
d Glendarvel (Ormidale)	... O. M. Chance, Esq. ...	5	1	0	60	...	81·42	...	...
d Glen Tarsan	... N. of S. Hydro-Electric Bd. ...	5	1	0	400	...	89·07	256	224
D DUNOON (BENMORE Forest School)	... Forestry Commission ...	5	1	0	46	...	91·44	229	214
D Loch Eck (Benmore)	... Head Gardener ...	5	1	0	40	...	96·95	248	218
d Garvil Farm	... N. of S. Hydro-Electric Bd. ...	5	1	0	150	...	88·51	...	207
D Strachur (GLENBRANTER)	... Forestry Commission ...	5	1	0	120	85·2	98·54	250	219
D Lochgoilhead (Ardgoil)	... G. H. Garside, Esq., ...	5	1	0	20	85·4	92·15	241	228
13.—CLYDE. Leven. 4 sq. mi.									
w Loch Sloy (Beinn Ime ' South ')	... N. of S. Hydro-Electric Bd. ...	5	1	0	1322	...	138·58	...	...
w Loch Sloy (Beinn Ime ' North ')	... N. of S. Hydro-Electric Bd. ...	5	1	0	1533	...	143·64	...	...
14.—INSULAR. 854 sq. mi.									
Sanda Lighthouse	... Com'rs. of N. Lighthouses ...	5	2	9	134	36·8	41·39	232	209
D Gigha	... Lt.-Col. J. M. Horlick, M.C. ...	5	1	7	50	...	45·53	220	190
Islay (Rhinn)	... Com'rs. of N. Lighthouses ...	7	3	6	74	...	42·46	228	188
Islay (Lochindaul)	... Com'rs. of N. Lighthouses ...	5	0	7	45	44·0	60·85	241	212
Islay (McArthur's Head)	... Com'rs. of N. Lighthouses ...	5	0	6	173	56·5	60·31	228	217
D Islay (Eallabus)	... J. H. Cranston, Esq. ...	5	1	0	68	48·9	60·57	234	215
Islay (Rhuvaal)	... Com'rs. of N. Lighthouses ...	5	1	0	69	42·0	49·09	251	205
D Jura (Ardlussa)	... R. G. Fletcher, Esq. ...	5	0	9	100	50·1	61·30	224	186
D COLONSAY	... Lord Strathcona ...	5	1	0	87	47·4	63·66	250	220
d Seil (An Cala)	... Col. the Hon. A. C. Murray ...	5	1	0	30	57·4	72·75	...	...
D Iona (Maol)	... Mr. MacNiven ...	5	1	0	60	...	57·36	226	210
d Mull (Ulva)	... Edith, Lady Congleton ...	5	0	11	40	64·8	72·13	...	...
D Mull (Gruline)	... Mr. J. Walker ...	8	1	0	100	79·0	95·33	273	240
d Mull (Tobermory, Linnthu)	... Mrs. G. E. Sykes ...	5	1	0	350	...	92·87	253	231
Mull, Sound of ...	... Com'rs. of N. Lighthouses ...	...	...	...	...	61·5	70·51	...	204
D THREE Airport	... (+A) Meteorological Office ...	5	1	0	29	44·7	56·56	251	209

DIVISION XVI—EAST MIDLAND COUNTIES

CLACKMANNANSHIRE. (Area, 55 sq. mi.)

1.—FORTH. LOWER. Left Bank Tributaries. 55 sq. mi.									
D Alloa House Gardens ...	Earl of Mar & Kellie, K.T. ...	5	3	0	50	33·2	40·23	209	168
w Alloa W.W. (Gartmorn Reservoir) ...	Burgh Surveyor ...	5	1	0	172	32·1	37·31	...	...
D Tillicoultry (The Cemetery) ...	Superintendent ...	5	1	0	80	34·5	37·72	216	167
w Menstrie (Lipney Filters) ...	Burgh Surveyor ...	5	1	0	328	...	40·64	...	...
M Glendevon (Broich Burn) No. 2 ...	County Engineer, Fife ...	8	1	0	1333	71·7	69·40	...	...
M Glendevon (Burnfoot Hill) No. 8 ...	County Engineer, Fife ...	8	1	0	1721	...	66·74	...	...
M Glendevon (Backhill) No. 9 ...	County Engineer, Fife ...	8	1	0	1067	58·3	65·58	...	...
D Glendevon (Backhill) ...	County Engineer, Fife ...	8	1	0	1067	59·9	66·36	244	199

KINROSS-SHIRE. (Area, 87 sq. mi.)

1.—FORTH. LOWER. Left Bank Tributaries. 15 sq. mi.

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
KINROSS-SHIRE—(contd.).									
2.—LEVEN & C. 67 sq. mi.									
D Loch Leven Sluice	G. Harley, Esq.	5	1	0	360	35·8	41·11	206	164
d Milnathort (Laurel Bank)	Capt. L. Kininmouth	5	1	0	396	36·3	35·06	...	...
D Milnathort (Ledlanet)	Sir James C. Calder, K.B.E.	5	1	0	700	47·1	46·96	219	180
D Milnathort (Ochil Hills Sanatorium)	Medical Superintendent	5	1	0	800	47·3	46·60	187	171
3.—EDEN. 2 sq. mi.									
4.—TAY. Earn. 3 sq. mi.									
FIFESHIRE. (Area, 505 sq. mi.)									
1.—FORTH. LOWER. Left Bank Tributaries. 68 sq. mi.									
D DUNFERMLINE (+A)	Carnegie Dunfermline Trust	5	1	0	237	...	34·80	204	156
D Kincardine (Tulliallan)	Head Gardener	5	1	0	90	33·8	35·15	197	153
M Carnock (Craigluscar Reservoir)	D. H. Shaw, Esq., M.C., C.E.	12	0	4	480	36·1	41·00	...	...
2.—LEVEN & C. 208 sq. mi.									
D DONIBRISTLE Airfield	Naval Weather Service	5	1	0	120	...	31·19	198	153
D Burntisland (Cullaloe Res.)	Burgh Surveyor	5	1	0	294	...	35·58	190	157
D KIRKCALDY (Beveridge Park)	Town Clerk	5	1	0	106	30·0	36·17	199	149
D Cowdenbeath (Sewage Works)	H. Gardiner, Esq.	5	1	0	390	...	37·42	215	161
Cleish Hills (Craigaveral)	H. Gardiner, Esq.	5	1	0	760	41·0	44·17	...	...
Cleish Hills (Roscoe Res.)	H. Gardiner, Esq.	5	1	0	660	39·6	44·13	...	...
D Kirkcaldy (Carberry)	R. Ritchie, Esq.	5	1	0	326	...	34·94	201	143
Cleish Hills (Blairadam)	H. Gardiner, Esq.	5	1	0	670	35·8	41·32	...	...
D Leslie (Lothrie Res.)	R. Ritchie, Esq.	5	1	0	700	36·7	37·55	216	164
D Leven (Silverburn)	Sir David Russell	5	1	0	70	...	31·88	196	145
D Markinch (Roths)	Sir David Russell	5	1	0	198	...	33·71	206	147
D Markinch (Carriston Reservoir)	Water Superintendent	5	0	9	293	32·9	39·62	210	166
D Markinch (Coul Reservoir)	Water Superintendent	5	0	9	438	35·2	39·05	211	172
D Arncroach (Belliston)	Mr. J. M. Roger	5	1	1	270	...	33·34	193	141
3.—EDEN & C. 205 sq. mi.									
D Cupar (Clatto Reservoir)	R. W. Morrison, Esq.	5	1	0	505	30·1	37·70	214	149
D Cameron Waterworks	Burgh Surveyor	5	1	0	478	29·9	34·23	204	156
D Cupar (Pitlair)	Mr. P. Webster	5	1	0	126	29·5	29·82	171	134
d Cupar (Rankeillour)	Mr. R. Meldrum	5	1	0	240	28·7	29·95	168	131
D CUPAR (Fife District Asylum)	Medical Superintendent	5	1	0	210	27·7	30·42	186	144
D Kingsbarns	J. N. Dickie, Esq.	5	1	0	70	...	31·03	189	130
D Cupar (Over Rankeillour)	H. Giles Walker, Esq.	5	1	0	200	28·7	28·83	183	136
D Cupar (Beet Sugar Factory)	British Sugar Corp'n. Ltd.	5	1	0	82	...	31·22	140	124
D St. Andrews (Waterworks)	Burgh Surveyor	5	1	0	217	27·3	30·25	191	138
D ST. ANDREWS	Burgh Surveyor	5	1	0	13	27·1	29·82	168	133
D LEUCHARS Airfield (+A)	Meteorological Office	8	1	0	36	25·7	27·41	174	125
4.—FIRTH OF TAY. 25 sq. mi.									
D Balmorino Manse	Mr. R. L. Constable	5	1	0	200	...	27·33	181	121
D Newport (Tayfield)	W. Berry, Esq.	5	4	6	100	28·3	29·95	176	135
D Tayport (Lighthouse)	Dundee Harbour Trust	5	1	0	27	26·3	29·44	192	132
5.—TAY. Earn. 1 sq. mi.									
6.—INSULAR.									
Inchkeith Lighthouse	Com'rs. of N. Lighthouses	5	1	0	190	...	25·19	170	119
Isle of May	Com'rs. of N. Lighthouses	5	4	0	180	...	(26·97)	158	114

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	Ground	above			·01 in.	·04 in.
			above	above	Sea Level			or	or
			Ground	Sea Level				more	more
PERTHSHIRE. (Area, 2,535 sq. mi.)									
		in.	ft.	in.	ft.	in.	in.		
1.—FORTH. Right Bank Tributaries. 17 sq. mi.									
D	Gartmore House Gardens ...	5	1	0	160	56·0	63·27	249	191
D	Loch Dhu ...	8	1	0	325	79·8	87·54	234	200
2.—FORTH. UPPER. Left Bank Tributaries. 84 sq. mi.									
D	Loch Ard (Couligarton) ...	5	0	10	200	...	86·75	247	209
3.—FORTH. Teith. 221 sq. mi.									
M	Ochertyre (Stirling) ...	5	1	0	14	39·4	41·53	...	...
	Loch Drunkie ...	8	1	10	420	62·4	69·85	...	...
D	Invertrossachs ...	5	1	0	380	59·8	70·69	205	184
	Ben Venue (Glasahoe) ...	8	1	6	1150	79·4	84·20	...	...
D	Loch Vennachar ...	5	1	0	273	55·3	64·07	229	189
D	Brig o' Turk ...	5	1	0	275	63·7	74·58	225	195
	Loch Katrine (Tunnel Hill Top) ...	8	1	6	830	79·0	91·90	...	...
	Ben Ledi ...	8	1	8	1400	67·0	74·50	...	...
	Achnahard ...	8	1	0	474	65·5	74·00	...	...
	Callander (Leny House) ...	5	1	0	340	56·9	60·10	...	...
W	Strone Bridge ...	8	1	6	380	71·7	81·40	...	...
	Glen Meann ...	8	1	0	800	76·5	83·10	...	...
	Glen Finlas ...	8	1	0	1200	78·3	84·05	...	...
D	Glengyle ...	8	1	0	380	89·9	100·71	227	217
	Upper Glengyle ...	8	1	6	750	94·7	103·93	...	...
	Allt a' Choin ...	8	1	0	1250	88·2	101·90	...	...
d	Strathyre... ...	5	1	0	425	...	91·47	251	222
W	Balquhidder (Blaircreach) ...	5	1	0	460	92·7	105·63	...	...
D	Balquhidder (Stronvar) ...	5	1	0	422	74·2	78·92	250	203
4.—FORTH. LOWER. Left Bank Tributaries. 107 sq. mi.									
	Dunblane (Lynedoch) ...	5	1	0	265	...	44·08	...	...
D	Dunblane (Elmswood) ...	5	1	0	300	...	43·71	210	191
D	Glendevon (Glenquey Res.) ...	8	1	0	942	58·0	62·55	230	179
D	Glendevon (Frandy) ...	8	1	0	911	61·6	66·11	222	196
	Glendevon (Glensherup) ...	12	0	4	945	59·0	61·19	...	...
M	Glendevon (Bald Hill) ...	8	1	0	1202	58·0	65·51	...	...
M	Glendevon (Wether Hill) ...	8	1	0	1408	...	63·99	...	...
5.—LEVEN. 1 sq. mi.									
6.—EDEN. 4 sq. mi.									
7.—TAY. Earn. 376 sq. mi.									
M	Blackford ...	5	1	7	500	...	45·77	...	...
	Upper Farg (Plains) ...	8	1	0	900	...	37·08	...	...
D	Upper Farg (Main Bank) ...	8	1	0	632	...	37·05	224	153
d	Dunning (Kippen House) ...	5	1	0	450	44·6	45·26	200	160
W	Auchterarder (Aberuthven) ...	6	1	0	100	...	43·30	...	...
D	Bridge of Earn (Ballendrick) ...	5	1	0	50	31·5	33·37	209	151
D	Lochearnhead (Ardloch) ...	5	1	0	370	62·1	69·20	273	194
d	Lochearnhead (Ardvorlich) ...	5	1	0	350	...	68·97	198	175
d	Lochearnhead (Edinchip) ...	5	1	0	513	69·0	73·53	218	190
D	Comrie (Dunira Gardens) ...	5	1	8	200	...	58·50	201	184
d	Comrie (Invergeldie Lodge) ...	5	1	0	795	...	66·95	...	...
d	Crieff (Strathearn Hydro) ...	5	1	0	478	40·9	42·48	178	155
	Loch Turret (Lower Glenturret) ...	5	1	0	1090	...	58·97	...	...
	Loch Turret (Glenturret Lodge) ...	5	1	0	1280	...	71·82	...	...
	Loch Turret (Upper Glenturret) ...	5	1	0	1400	...	75·86	...	...

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
PERTSHIRE—(contd.).									
8.—TAY. Almond & c. 149 sq. mi.									
D Perth (Craigie Haugh) ...	J. Penman, Esq., C.E. ...	5	4	2	14	...	31·42	169	134
D PERTH (Wellshill Cemetery) ...	Town Council ...	5	1	0	77	30·8	32·38	205	148
Methven Waterworks ...	Water Engineer, Perth ...	5	1	0	450	...	36·76	...	...
9.—TAY. Strathtay below Dunkeld. 33 sq. mi.									
10.—TAY. 81 sq. mi.									
D Strath Bran (Glenquach Lodge) ...	W. A. Cox, Esq. ...	5	1	0	900	54·1	54·45	228	173
D Strath Bran (Garrows) ...	K. O. Hunter, Esq. ...	5	0	9	980	...	51·22	226	175
11.—TAY. Strathtay above Dunkeld. 95 sq. mi.									
D Aberfeldy (Tigh'n Eilean) ...	Dr. N. D. Mackay ...	5	1	0	320	37·4	38·78	217	149
D Aberfeldy (Grandtully Castle Gdns.) ...	Mr. W. Robertson ...	5	0	11	383	37·0	37·40	211	157
12.—TAY. Loch Tay. 241 sq. mi.									
D Glenoglehead ...	N. of S. Hydro-Electric Bd. ...	5	1	0	942	...	89·00	221	197
d Tyndrum (Strathfillan Manse) ...	Rev. F. Warren ...	5	1	0	700	...	104·99	...	...
d Killin (Kinnell Gardens) ...	Head Gardener ...	5	1	0	380	58·2	71·99	229	200
D Loch Tay (Ardeonaig) ...	Rev. G. A. Grieve, M.B.E. ...	5	1	0	450	...	55·88	225	174
D Kenmore (Dalerb) ...	W. L. Ross, Esq. ...	5	1	1	390	...	45·07	219	169
13.—TAY. Lyon. 142 sq. mi.									
D Glenlyon (Meggernie Castle) ...	Sir E. S. Wills, Bart ...	5	1	0	700	61·5	70·03	274	209
w Fortingall (Glenlyon House) ...	Mr. David R. Dow ...	5	1	0	425	44·7	52·79	...	...
14.—TAY. Tummel. 587 sq. mi.									
D Loch Rannoch (Dall) ...	Mr. D. Robertson, Jun. ...	5	1	0	722	43·2	45·87	216	181
D Loch Rannoch (Station) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	1007	60·4	75·54	249	208
D Loch Rannoch (Power House) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	675	43·4	51·53	218	188
D Pitlochry (Faskally) ...	Dir. Brown Trout Res. Lab. ...	5	1	0	400	...	36·91	213	157
D Foss (Domnaheich) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	640	...	42·22	182	149
D Loch Tummel (Power House) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	500	...	42·08	219	157
d Loch Tummel (Strathtummel P.O.) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	660	...	38·10	...	150
d Pitlochry (Bonskeid) ...	Hon. Mrs. G. F. Barbour ...	5	1	0	540	33·0	38·56	198	161
M Pitlochry (Allt Girnaig) ...	Mr. J. McLaughlan ...	5	1	0	850	...	38·80	...	...
D Fincastle House ...	Hon. Mrs. G. F. Barbour ...	5	1	0	980	33·9	38·95	202	166
D Ericht Dam ...	N. of S. Hydro-Electric Bd. ...	5	1	0	1196	54·1	69·02	251	213
d Struan (Auchleeks) ...	Miss Robertson ...	5	1	0	710	45·5	48·89	199	176
D Blair Atholl (Blair Castle Gardens) ...	Mr. A. B. Duguid ...	5	1	0	500	33·6	35·91	236	159
D Edendon Bridge ...	N. of S. Hydro-Electric Bd. ...	5	1	0	1029	...	46·77	229	193
w Dalnaspidal (Luidhearnaidh) ...	N. of S. Hydro-Electric Bd. ...	5	1	4	1710	63·4	77·95	...	...
D Glen Bruar (Bruar Lodge) No. 1 ...	N. of S. Hydro-Electric Bd. ...	5	1	0	1500	44·9	45·61	265	185
M Edendon (Sronphadruig Lodge) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	1630	...	68·28	...	...
15.—TAY. Isla. 282 sq. mi.									
d Blairgowrie (Perth Road) ...	late W. D. M. Falconer, Esq. ...	5	1	6	262	...	30·25	167	141
D Dunkeld (Cardney) ...	A. R. Macgregor, Esq. ...	5	1	0	350	37·4	37·71	210	150
D Dunkeld (Riechip Lodge) ...	late R. J. Crammond, Esq. ...	5	1	0	1000	...	36·38	184	151
Loch Benachally ...	Blairgowrie Dist. Water Bd. ...	8	1	0	1007	40·4	37·68	...	...
D Kirkmichael (Ballintuim House) ...	Miss Louisa Macdonald ...	5	1	4	700	40·3	39·36	225	154

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft	in.	ft.	in.	in.		
PERTHSHIRE—(contd.).									
16.—TAY. Left Bank Tributaries. 51 sq. mi.									
17.—FIRTH OF TAY. 45 sq. mi.									
Errol (Fingask) ...	Water Engineer, Perth ...	5	1	0	550	...	28·75	...	...
18.—SPEY. Right Bank Tributaries. 1 sq. mi.									
19.—LOCH LINNHE. Left Bank Tributaries. 2 sq. mi.									
20.—CLYDE. Leven. 36 sq. mi.									
w Lairig (Arnan) ...	N. of S. Hydro-Electric Bd.	5	1	0	1115	...	133·82	...	...
w Dubh Eas ...	N. of S. Hydro-Electric Bd.	5	1	0	1210	...	130·39	...	...
ANGUS. (Area, 875 sq. mi.)									
1.—TAY. Isla. 211 sq. mi.									
d Glamis Castle ...	Mr. D. McInnes ...	5	0	7	250	30·9	30·96	177	131
d Forfar (Yeaman Street) ...	William P. Welsh, Esq. ...	5	1	6	226	...	31·43	197	133
d Kirriemuir (Lintrathen) ...	(+A) R. Little, Esq., C.E. ...	8	1	0	700	34·7	34·76	205	150
M Kirriemuir (Balnakeilly) ...	R. Little, Esq., C.E. ...	5	1	0	700	34·1	34·70	...	...
M Kirriemuir (Dykends) ...	R. Little, Esq., C.E. ...	5	1	0	750	36·4	39·05	...	...
M Kirriemuir (Creich Hill N.) ...	R. Little, Esq., C.E. ...	5	1	0	1491	40·5	41·50	...	...
M Kirriemuir (Backwater) ...	R. Little, Esq., C.E. ...	5	1	0	850	39·7	40·82	...	...
M Kirriemuir (Westerton) ...	R. Little, Esq., C.E. ...	5	1	0	900	40·5	41·20	...	...
M Kirriemuir (Newton) ...	R. Little, Esq., C.E. ...	5	1	0	735	37·4	37·80	...	...
M Kirriemuir (Longdrum) ...	R. Little, Esq., C.E. ...	5	1	0	1045	39·3	44·10	...	...
M Kirriemuir (Glendye) ...	R. Little, Esq., C.E. ...	6	1	0	1050	44·9	49·20	...	...
M Kirriemuir (Glenhead) ...	R. Little, Esq., C.E. ...	5	1	0	1260	43·1	52·70	...	...
M Kirriemuir (Dalvanie) ...	R. Little, Esq., C.E. ...	5	1	0	1020	42·7	46·80	...	...
2.—FIRTH OF TAY. 80 sq. mi.									
D Carnoustie (BUDDON NESS Light) ...	Dundee Harbour Trust ...	5	1	0	15	26·4	26·35	183	123
D Dundee (Stobsmuir Reservoir) ...	R. Little, Esq., C.E. ...	5	1	0	278	...	28·95	197	134
D Dundee (Camperdown Works) ...	Messrs. Cox Bros. Ltd. ...	5	1	0	300	26·8	28·76	177	121
D DUNDEE (Mayfield) ...	Director of Studies ...	8	1	0	147	26·2	30·22	186	137
D Dundee (Clatto Reservoir) ...	R. Little, Esq., C.E. ...	8	1	2	498	...	29·11	213	141
3.—SOUTH ESK & C. 371 sq. mi.									
D Monikie Reservoir ...	R. Little, Esq., C.E. ...	5	1	0	494	34·7	32·63	204	146
D Monikie (Crombie Reservoir) ...	R. Little, Esq., C.E. ...	5	1	0	528	35·2	32·73	198	135
M Monikie (Fallaws) ...	R. Little, Esq., C.E. ...	8	3	0	585	33·2	34·45	...	...
D ARBROATH (Springfield Park) ...	Town Council ...	5	1	0	95	25·6	23·23	168	116
w Arbroath (Muirheads Reservoir) ...	Burgh Engineer ...	5	1	0	251	28·1	26·73	...	...
D Forfar (Pitscandly House) ...	Mrs. Ewen ...	5	1	8	300	...	29·63	173	123
D MONTROSE ...	Burgh Surveyor ...	5	1	0	16	...	25·04	171	118
D Montrose (West End Park) ...	Burgh Surveyor ...	5	1	0	19	26·0	27·89	161	124
d Forfar W.W. (Den of Ogil) ...	Alex. C. Millar, Esq. ...	12 × 4	3	1	633	39·4	39·75	197	160
D Glenogil Water Works ...	Burgh Engineer, Arbroath... ..	5	1	0	690	40·9	39·25	180	151
d Glen Prosen (Pearsie House) ...	G. M. Wedderburn, Esq. ...	5	1	0	600	39·1	30·49	157	137
4.—NORTH ESK & C. 213 sq. mi.									
D MONTROSE (SUNNYSIDE ASYLUM) ...	Medical Superintendent ...	5	0	10	200	27·0	28·46	180	128
D Brechin (Stracathro Hospital) ...	Medical Superintendent ...	5	1	0	120	...	26·77	186	126

DIVISION XVII—NORTH-EASTERN COUNTIES

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
		in.	ft.	in.	ft.	in.	in.		
KINCARDINESHIRE. (Area, 382 sq. mi.)									
1.—NORTH ESK & C. 99 sq. mi.									
d Laurecekirk (Johnston Lodge) ...	Miss Elspeth Johnston ...	5	1	0	400	33·1	33·67	169	135
D Fettercairn (Fasque) ...	A. C. Gladstone, Esq. ...	5	0	10	320	36·0	34·90	205	135
D FETTERCAIRN (GLENSAUGH) ...	N. of S. College of Ag. ...	5	1	0	560	...	38·71	198	138
Fordoun (Auchenblae) ...	G. W. McConachie, Esq. C.E. ...	5	1	0	362	33·2	28·20?	...	...
2.—BERVIE, COWIE & C. 139 sq. mi.									
D STONEHAVEN ...	Town Council ...	5	1	0	125	27·4	30·86	189	138
Girdleness Lighthouse ...	Com'rs. of N. Lighthouses ...	7	4	0	89	...	(29·26)	137	108
3.—DEE. 144 sq. mi.									
D Strachan (Bridge of Dye) ...	A. C. Gladstone, Esq. ...	5	1	0	513	43·9	40·12	198	145
D Banchory (Invery) ...	Major Jas. Kerr ...	5	1	0	225	34·8	35·74	202	144
D Banchory (Invercarnie) ...	A. G. Booth, Esq., C.E. ...	5	0	9	208	31·9	31·13	208	130
ABERDEENSHIRE. (Area, 1,974 sq. mi.)									
1.—DEE. 672 sq. mi.									
D Glen Muick ...	A. G. Booth, Esq., C.E. ...	5	1	0	1370	45·1	43·51	263	174
M Glen Muick (Ichnabobart) ...	A. G. Booth, Esq., C.E. ...	5	1	0	1270	41·9	38·21	...	...
D Aitnach ...	A. G. Booth, Esq., C.E. ...	5	1	0	1260	41·9	42·92	238	174
D BRAEMAR (Bank) ...	R. A. Lees, Esq. ...	5	1	0	1111	35·4	36·57	214	160
D Braemar (Derry Lodge) ...	A. G. Booth, Esq., C.E. ...	5	1	0	1400	38·1	40·38	226	185
D Glen Tanar (Mansion House)...	Lord Glentanar ...	5	1	0	553	...	35·22	186	136
D BALMORAL Castle Gardens ...	(+A) Mr. E. Stuart ...	5	1	0	927	33·0	30·43	234	156
D Ballater (Irrigation Farm) ...	A. G. Booth, Esq., C.E. ...	5	1	0	637	33·2	28·50	176	132
M Blinn Bhreac ...	A. G. Booth, Esq., C.E. ...	5	1	0	2700	47·1	50·21	...	...
D Aboyne (Irrigation Farm) ...	A. G. Booth, Esq., C.E. ...	5	1	0	380	31·9	28·42	184	130
D Glen Gairn (Gairn Shiel Lodge) ...	A. G. Booth, Esq., C.E. ...	5	1	0	1100	34·4	31·07	225	157
d Glen Gairn (Corndavon) ...	A. G. Booth, Esq., C.E. ...	5	1	0	1500	...	34·80	...	...
M Lumphanan ...	A. G. Booth, Esq., C.E. ...	5	1	0	490	31·6	29·60	...	...
D Drumoak (Drum Castle) ...	H. Q. Forbes Irvine, Esq. ...	5	1	0	320	30·9	37·04	227	167
D LOGIE COLDSTONE School ...	Jas. R. Ferguson, Esq., M.A. ...	5	1	0	608	30·9	27·19	197	140
W Tarland (Melgun) ...	J. A. Ross, Esq. ...	8	1	0	675	...	28·05	...	...
D ABERDEEN (MANNOFIELD RES.) ...	A. G. Booth, Esq., C.E. ...	5	1	0	171	30·5	33·16	208	152
D Craigiebuckler ...	Macaulay Inst. Soil Research ...	5	1	0	220	...	37·32	203	160
2.—DON. 512 sq. mi.									
D Strathdon (Tornashean) ...	Mr. G. A. Crawford ...	5	1	0	1000	...	34·09	214	154
D Bridge of Don (Braehead) ...	The Marquis of Aberdeen ...	5	1	0	114	...	31·10	189	133
D Craibstone (South Meethill Field) ...	Macaulay Inst. Soil Research ...	5	1	0	275	33·6	37·17	214	151
D DYCE (CRAIBSTONE) ...	(+A) College of Agriculture ...	8	1	0	300	31·5	35·80	201	145
D DYCE (Aberdeen Airport) ...	Meteorological Office ...	5	1	0	241	...	35·34	206	149
D Alford (Littlewood Park) ...	Sir Alan McLean ...	5	1	0	750	...	38·64	220	168
3.—YTHAN & C. 285 sq. mi.									
D Ellon (Esslemont House) ...	Mrs. Wolrige Gordon ...	5	1	0	100	...	37·00	234	158
D Haddo House ...	Major D. Gordon ...	5	1	0	186	31·5	37·36	220	160
D Fyvie Castle ...	Col. Sir C. R. Forbes-Leith, Bt. ...	5	1	0	200	33·9	36·01	196	159
4.—UGIE & C. 257 sq. mi.									
D New Deer School House ...	C. S. Henderson, Esq. ...	5	1	0	397	32·3	39·60	243	175
D Peterhead (Forehill Works) ...	J. Coull, Esq., C.E. ...	5	0	8	133	30·3	35·05	214	161
D Peterhead (Mains of Buthlaw) ...	W. Johnston, Esq. ...	5	1	6	120	30·3	36·52	210	160
D Fedderate Reservoir ...	G. S. Stewart, Esq. ...	5	0	9	410	...	43·10	239	179
D RATTRAY HEAD (C. G. Station) ...	(+A) Coastguard for M.O. ...	5	1	0	85	...	36·59	221	160
Kinnaird Head ...	Com'rs. of N. Lighthouses ...	5	1	0	62	26·2	33·49	198	166

DIVISION XVII—NORTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950			
		Diam.	Height of				Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more	
			Rim above Ground	Ground above Sea Level						
		in.	ft.	in.	ft.	in.	in.			
ABERDEENSHIRE—(contd.).										
5.—DEVERON & C. 248 sq. mi.										
BANFFSHIRE. (Area, 630 sq. mi.)										
1.—YTHAN. 1 sq. mi.										
2.—DEVERON & C. 344 sq. mi.										
D	Cabrach Manse	County Road Surveyor ...	5	1	0	1025	...	38·70	246	175
D	Drummuir Castle	H. G. Brown, Esq. ...	5	1	10	620	36·4	35·93	212	159
D	Easterfield School	T. H. Smith, Esq. ...	5	1	0	450	...	33·67	203	146
D	Turriff (Forglen Gardens)	Mr. S. Barclay ...	5	1	0	220	31·9	38·72	221	172
D	BANFF	Town Council (I. H. Gordon)	5	0	9	130	26·8	34·37	230	169
D	Buckie (Rochomie)	Burgh Surveyor ...	5	1	0	287	27·0	27·03	164	143
D	Cullen House Gardens	C. A. Ritchie, Esq. ...	5	1	2	150	30·6	31·83	227	163
3.—SPEY. Right Bank Tributaries. 285 sq. mi.										
D	GLENLIVET (Clashnoir)	Walter Duncan, Esq. ...	5	1	0	1050	...	35·68	187	138
D	Ballindalloch	C. Mackenzie, Esq....	8	1	0	630	33·7	35·88	244	177
MORAYSHIRE. (Area, 477 sq. mi.)										
1.—DEVERON & C. 7 sq. mi.										
2.—SPEY. Right Bank Tributaries. 35 sq. mi.										
D	Fochabers (Gordon Casrle)	Mr. J. Taylor, for Com- missioners of Crown Lands	5	0	8	104	29·8	30·99	227	156
3.—SPEY. Left Bank Tributaries. 133 sq. mi.										
D	Grantown-on-Spey (Moniack)	H. Grant Cumming, Esq. ...	5	1	0	700	...	30·09	205	167
4.—LOSSIE & C. 154 sq. mi.										
D	Forres (Dallas Lodge)	Brig. H. W. Houldsworth ...	5	1	0	600	...	32·12	221	163
D	Kellas (Kellas House)	Mrs. Christie ...	5	2	0	446	31·4	36·10	226	174
D	Lhanbryde (Blackhills House)	Mr. W. Dunbar ...	5	1	0	310	29·2	32·60	220	170
D	Elgin (Kirkhill)	Mrs. M. D. MacDonald ...	5	1	7	35	...	26·76	217	155
D	Elgin (The Bield)	Mrs. Harrison ...	5	1	4	120	...	26·97	214	147
D	Elgin Academy	Rector ...	5	1	6	80	...	28·98	208	148
D	Elgin (Lesmurdie)	Mrs. J. G. Norman ...	5	1	0	114	26·9	28·63	211	155
D	Elgin (Newton Nursery)	Forestry Commission ...	5	1	0	75	...	24·72	204	139
D	LOSSIEMOUTH	Naval Weather Service ...	5	1	0	21	...	23·38	180	122
5.—FINDHORN & C. 148 sq. mi.										
D	Forres (Drumduan)	Miss A. MacKinnon of Mac- Kinnon ...	5	2	6	120	26·5	26·72	199	154
D	Forres (Drumduan, West Lodge)	Mr. G. Dyker ...	8	1	0	150	...	24·07	201	144
D	FORRES (Hydro)	Town Clerk ...	5	1	0	155	...	23·56	203	132
D	Kintessack (Culbin)	Mr. W. G. Milne ...	5	1	0	28	...	25·41	208	143
D	Kinloss (R. A. F. Station)	Meteorological Office ...	5	1	0	16	...	20·39	160	115
NAIRNSHIRE. (Area, 163 sq. mi.)										
1.—FINDHORN & C. 102 sq. mi.										
D	Ardclach (Glenferness)... ..	Mr. J. May ...	8	1	0	700	34·8	37·48	213	168
d	Lethen	Major D. J. Brodie ...	5	1	6	300	...	27·62	204	147

DIVISION XVII—NORTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
		in.	ft.	in.	ft.	in.	in.		
NAIRNSHIRE—(contd.).									
2.—NAIRN & C. 61 sq. mi.									
D Cawdor (Auchindoune) ...	Col. the Hon. I. M. Campbell	5	1	0	425	...	29·77	235	161
D Cawdor Castle ...	Mr. James Taylor ...	5	0	9	225	29·2	29·98	216	156
D Nairn (Firhall) ...	Lt.-Col. Angus Cameron ...	5	1	0	55	24·7	25·85	218	142
D Nairn (Balblair) ...	Major R. H. Allanby ...	5	1	9	94	24·7	28·21	191	162
D Nairn (Achareidh) ...	Major K. S. Clarke ...	8	1	0	59	23·9	26·08	223	151
D NAIRN (Golf Course) ...	Town Clerk ...	8	1	0	20	22·5	24·58	207	136

DIVISION XVIII—NORTH-WESTERN COUNTIES

INVERNESS-SHIRE. (Area, 4,146 sq. mi.)

1.—TAY. Tummel. 28 sq. mi.									
2.—SPEY. Right Bank Tributaries. 437 sq. mi.									
D DALWHINNIE ...	G. Ritchie, Esq., for M.O. ...	8	1	0	1176	46·7	53·06	232	180
M Loch Seilich (Gaick Lodge) ...	N. of S. Hydro-Electric Bd.	5	1	0	1430	...	60·43	...	...
D Loch an t-Seilich ...	N. of S. Hydro-Electric Bd.	5	1	0	1430	46·6	52·56	256	210
M Loch Cuaich ...	N. of S. Hydro-Electric Bd.	5	1	0	1340	...	44·40	...	...
D Glenshero ...	British Aluminium Co. Ltd.	8	0	10	880	45·9	53·74	246	191
D Rothiemurchus (The Polchar) ...	Capt. H. G. Briggs ...	5	1	0	775	...	33·12	227	166
Loch Morlich (Badaguish) ...	J. Fraser, Esq. ...	5	1	0	1100	...	33·53	...	...
3.—SPEY. Left Bank Tributaries. 257 sq. mi.									
D Cluny Castle ...	G. A. Sinclair, Esq. ...	5	1	0	816	39·9	46·61	258	186
M Loch Spey ...	British Aluminium Co. Ltd.	5	1	0	1164	64·9	75·19	...	...
D Glen Spey (Mealgarve) ...	British Aluminium Co. Ltd.	8	1	0	1135	55·2	68·21	...	...
M Laggan (Gergask) ...	Mr. J. A. Gillies ...	8	1	0	900	...	44·65	277	187
D Kingussie ...	Miss Jessie Dallas ...	8	1	0	800	...	39·17	261	194
4.—FINDHORN. 164 sq. mi.									
D Tomatin (Dalmigavie Lodge) ...	C. W. Christie-Miller, Esq.	5	1	2	1150	42·5	43·39	227	173
5.—NAIRN & C. 131 sq. mi.									
D Dalcross Airfield ...	Meteorological Office ...	5	1	0	35	...	26·29	205	148
6.—NESS. Right Bank Tributaries. 252 sq. mi.									
d Fort Augustus (Ardachie) ...	A. T. Bruen, Esq. ...	5	1	0	100	46·5	54·67	258	199
D Fort Augustus (Auchteraire) ...	Forestry Commission ...	5	0	6	136	47·7	54·93	233	196
D Loch Ness (Garthbeg) ...	British Aluminium Co. Ltd.	8	1	0	630	40·1	47·64	253	190
D Loch Ness (Foyers) ...	British Aluminium Co. Ltd.	8	1	0	60	38·2	46·01	250	178
D Loch Ness (Aberchalder) ...	British Aluminium Co. Ltd.	8	1	0	700	39·4	47·30	252	176
w Loch Ashie ...	A. McKenzie, Esq. ...	5	1	0	718	33·0	37·01	...	...
D INVERNESS (Culduthel Reservoir) ...	A. McKenzie, Esq. ...	5	1	0	242	27·6	30·65	214	147
7.—NESS. Garry & c. 185 sq. mi.									
d Loch Quoich (Kinlochquoich) ...	Major Cameron of Lochiel	5	1	0	580	117·1	146·79	260	241
D Loch Quoich (Glenquoich) ...	Mr. R. McRae* ...	5	1	2	569	110·7	121·05	245	236
8.—NESS. Moriston. 120 sq. mi.									
d Glenmoriston (Allt Saigh) ...	N. of S. Hydro-Electric Bd.	5	1	1	95	...	49·86	...	...
9.—NESS. Enrick. 131 sq. mi.									
d Glen Urquhart House ...	G. H. Wilkinson, Esq. ...	5	1	3	470	36·1	43·56	246	182

§ Turf wall round gauge.

* Per Capt. W. N. McClean (River Flow Records).

DIVISION XVIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
INVERNESS-SHIRE—(contd.).									
10.—BEAULY. 341 sq. mi.									
M Glen Affric (Creag na Calman) ...	N. of S. Hydro-Electric Bd.	5	1	0	1050	...	90·70	...	...
D Glen Affric (Affric Lodge) ...	N. of S. Hydro-Electric Bd.	5	1	0	765	59·4	74·71	261	232
M Glen Fiadh ...	N. of S. Hydro-Electric Bd.	5	1	0	1550	...	101·95	...	...
D Glen Affric (Achagate) ...	N. of S. Hydro-Electric Bd.	5	1	0	721	56·2	56·32	...	...
D Cannich (Balchadaich) ...	Forestry Commission ...	5	1	0	350	...	52·94	243	194
D Cannich (Fasnakyle) ...	N. of S. Hydro-Electric Bd.	5	1	0	264	41·9	47·42	242	188
D Glen Cannich (Cozac Old Lodge) ...	N. of S. Hydro-Electric Bd.	5	0	6	714	...	89·13	264	233
D Glen Cannich (Mullardoch Dam) ...	N. of S. Hydro-Electric Bd.	5	1	0	672	...	75·60	255	227
D Strathglass (Glassburn) ...	Maj.-Gen. A. L. Collier, C.B.E.	5	1	0	170	...	47·30	249	187
D Arisaig (Traig House) ...	Mrs. Vera Shaw Stewart ...	5	1	0	20	...	71·70	246	229
11.—CROMARTY FIRTH. 13 sq. mi.									
12.—SOUND OF SLEAT. 259 sq. mi.									
D Loch Morar (Rhubana) ...	N. of S. Hydro-Electric Bd.	5	1	0	52	...	83·52	262	233
D Loch Nevis (Inverie Gardens) ...	Mr. C. Broadfoot ...	5	1	0	15	84·0	89·92	246	229
D Loch Hourn (Kinlochourn) ...	Ewen MacRae, Esq. ...	5	1	0	18	100·7	121·38	260	239
13.—SOUND OF ARISAIG. 126 sq. mi.									
D Moidart (Glenmoidart) ...	Miss Margery Lees ...	5	1	0	200	84·5	94·50	275	252
D Loch Ailort (Inverailort) ...	F. S. Cameron-Head, Esq. ...	5	1	0	8	...	95·38	277	238
D Loch Ailort (Polnish) ...	C. M. Wedderburn, Esq. ...	5	1	0	120	78·0	82·87	264	227
D Arisaig House ...	Mr. H. Milne ...	5	1	0	40	62·9	73·05	261	226
14.—LOCH LINNHE. Right Bank Tributaries. 48 sq. mi.									
15.—LOCHY. Right Bank Tributaries. 143 sq. mi.									
D Glen Loy (Erracht) ...	Major E. C. Cameron ...	5	1	0	150	79·8	85·89	266	224
D Loch Arkaig (Achnacarry) ...	Col. Sir D. W. Cameron of Lochiel ...	5	1	0	128	80·6	88·74	258	219
D Clunes (Loch Lochy W.) ...	Col. Sir D. W. Cameron of Lochiel ...	5	1	6	110	73·6	87·76	257	218
16.—LOCHY. Left Bank Tributaries. 362 sq. mi.									
Fort William (Allt a' Mhuilinn) ...	British Aluminium Co., Ltd.	8	1	0	1000	83·6	89·46	...	...
D Fort William (The Factory) ...	British Aluminium Co. Ltd.	8	1	0	75	73·0	85·19	260	213
Roybridge (Lairig Road) ...	British Aluminium Co. Ltd.	8	1	0	1650	85·7	69·28	...	...
Spean Bridge (The Cour) ...	British Aluminium Co. Ltd.	5	1	0	1050	92·4	114·55	...	...
Sgurr Finisgaig ...	British Aluminium Co. Ltd.	8	1	0	1850	89·4	90·97	...	...
D Loch Treig (Fersit) ...	British Aluminium Co. Ltd.	8	1	0	850	62·9	87·56	234	210
M Tulloch (Allt Laire) ...	British Aluminium Co., Ltd.	5	1	0	1050	60·7	73·28	...	...
M Roy Bridge (Allt Leachdach) ...	British Aluminium Co., Ltd.	8	1	0	650	61·3	68·18	...	...
Loch Pattack ...	Sir J. F. Ramsden, Bart. ...	5	0	9	1420	61·3	68·20	...	...
M Glen Spean (Craigbeg) ...	British Aluminium Co. Ltd.	8	1	0	860	54·9	69·97	...	...
D Spean Bridge (Spean Lodge) ...	Mr. Donald Cameron ...	5	1	3	200	64·5	72·27	255	208
D Spean Bridge (Gairlochy) ...	J. McLaren, Esq. ...	5	1	0	100	74·2	83·60	254	213
W Loch Lochy (Invergloiy) ...	Miss J. Allan ...	5	1	0	200	67·1	75·33	...	...
D Loch Laggan (Ardverikie) ...	Sir J. F. Ramsden, Bart ...	5	0	6	838	54·0	64·89	262	197
17.—LOCH LINNHE. Left Bank Tributaries. 120 sq. mi.									
D ONICH ...	Forestry Commission ...	5	1	3	48	77·4	97·96	266	243
D Onich (Corran Gardens) ...	R. W. Paine, Esq. ...	5	1	0	72	...	89·41	261	224
D Glenleven (Blackwater Dam, N.) ...	British Aluminium Co. Ltd.	8	1	0	1072	85·5	105·20	291	229
D FORT WILLIAM (Teviot) ...	J. W. Ainslie, Esq. ...	8	1	0	34	78·9	94·38	266	216
D Fort William (Glasdrum) ...	British Aluminium Co. Ltd.	5	1	0	216	...	93·09	272	230

DIVISION XVIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground above	Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
INVERNESS-SHIRE—(contd.).									
18.—INSULAR. INNER HEBRIDES. 832 sq. mi.									
D Isle of Eigg	Rt. Hon. Viscount Runciman	5	1	0	120	59·2	70·12	243	212
Oronsay Lighthouse	Com'rs. of N. Lighthouses	5	0	6	10	52·7	58·91	...	...
D Skye (Glenbrittle)	Mr. Ewen MacRae	5	1	0	30	...	92·09	291	250
D Skye (Broadford)	Dr. B. P. Miesner	5	1	0	23	76·8	87·69	270	239
D Skye (Kyleakin Dunringell)	C. A. A. Douglas-Hamilton, Esq.	5	1	0	70	...	71·55	261	223
D Skye (Grula)	Forestry Commission	5	1	0	60	...	96·88	289	250
D Skye (Loch Harport, Carbost)	Mr. D. M. MacCaskill	5	1	0	160	...	97·59	278	251
d Skye (Portree)	Alan Mackinnon, Esq.	5	1	0	65	73·1	75·61	...	...
D Skye (DUNTULM, Kilmuir)	Seton Gordon, Esq., C.B.E.	5	1	0	294	53·5	60·11	284	232
19.—INSULAR. OUTER HEBRIDES. 243 sq. mi.									
D Watersay Schoolhouse	J. Campbell, Esq.	5	0	8	20	...	58·93	279	235
D BENBECULA Airport	Meteorological Office	5	1	0	16	...	61·84	288	226
D Harris (Kyles Lodge)	W. H. Lomas, Esq.	5	1	0	20	...	72·19	253	224
D N. Harris (Amhuinsuidh Castle)	N. Mackinnon, Esq.	5	1	3	12	59·0	67·48	284	264
ROSS & CROMARTY. (Area, 3,237 sq. mi.)									
1.—NESS. Moriston. 35 sq. mi.									
2.—BEAULY. 109 sq. mi.									
D Glen Cannich (Benula)	N. of S. Hydro-Electric Bd.	5	1	0	712	...	89·92	273	240
D Loch Monar (Patt)	I. Mackay, Esq.	5	1	0	700	...	86·28	267	235
3.—MORAY FIRTH COAST STREAMS. 64 sq. mi.									
D FORTROSE	Rev. W. Craig	5	1	0	69	23·8	26·51	180	145
d Fearn (Geanies)	Capt. K. Murray, J.P.	5	1	0	200	22·8	24·20	...	...
4.—CROMARTY FIRTH. 714 sq. mi.									
D Muir of Ord (Fairburn)	Major J. S. Stirling	5	1	0	500	36·2	44·88	212	177
D Dalbraec Lodge	N. of S. Hydro-Electric Bd.	5	1	0	500	...	58·52	249	201
D Loch Gowan (Luib)	N. of S. Hydro-Electric Bd.	5	1	0	625	...	89·56	244	230
D Lochluichart (East)	N. of S. Hydro-Electric Bd.	5	1	0	165	39·5	54·76	281	197
D Lochluichart (The Manse)	N. of S. Hydro-Electric Bd.	5	1	0	310	42·0	57·32	263	214
D Loch Fannich (Cabruie)	N. of S. Hydro-Electric Bd.	5	1	0	850	...	93·63	264	243
d Aultdearg (Loch Luichart)	N. of S. Hydro-Electric Bd.	5	1	0	725	...	66·18	...	220
M Garbat (Dubh Choille)	Forestry Commission	5	1	0	1150	...	57·78	...	...
d Garbat Forest (Longart)	Forestry Commission	5	1	0	500	...	51·05	254	208
D Strath Vaich Lodge	N. of S. Hydro-Electric Bd.	5	1	0	790	...	66·41	...	...
d Alness (Ardross School)	J. H. Ross, Esq.	5	1	0	490	...	33·29	227	165
d Strath Rannoch	N. of S. Hydro-Electric Bd.	5	1	0	925	...	75·35	...	...
Luibachlaggan (Strathvaich)	N. of S. Hydro-Electric Bd.	5	1	0	830	...	69·84	...	...
5.—DORNOCH FIRTH. 355 sq. mi.									
D Tain (Tarlogie House)	Lt.-Col. A. K. McLeod	5	1	3	140	29·0	31·76	225	152
6.—ENARD BAY. 78 sq. mi.									
7.—LOCH BROOM & C. 367 sq. mi.									
D TARBETNESS	Principal Keeper (for M.O.)	5	1	0	60	...	24·24	185	130
d Loch Droma	N. of S. Hydro-Electric Bd.	5	1	0	940	...	74·60	...	210
D Inverbroom (Glackour)	Forestry Commission	5	1	0	65	56·5	67·87	259	214
D Dundonnell House	Lt.-Col. Sir T. M. Peto, Bart	5	1	0	150	...	83·27	267	234
d Laide (Gruinard)	J. H. Cairns, Esq.	5	1	0	40	...	62·29	...	...

DIVISION XVIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
ROSS & CROMARTY—(contd).									
8.—LOCH EWE, LOCH TORRIDON & C. 423 sq. mi.									
w Am Feu Loch ...	N. of S. Hydro-Electric Bd.	5	1	0	400	...	77·61	...	...
D Gairloch (Sheildaig Lodge) ...	N. of S. Hydro-Electric Bd.	5	1	0	10	...	57·48	278	235
D Gairloch (Bank of Scotland House) ...	N. of S. Hydro-Electric Bd.	5	1	0	40	...	56·96	246	227
D Inverasdale (Midtown) ...	Alex. J. MacLeod, Esq.	5	1	0	40	...	69·47	258	219
9.—LOCH CARRON, LOCH ALSH & C. 401 sq. mi.									
D Glenshiel (Kyle) ...	Mr. M. Macrae*	5	1	0	650	135·2	145·03	283	264
± Loch Duich (Ratagan) ...	Forestry Commission	5	1	0	12	82·3	88·40	265	229
M Loch Duich (Druim Sgurr) ...	Forestry Commission	5	1	0	1000	...	92·35	...	...
D Loch Duich (Inverinate) ...	Hon. Mrs. David Bowlby	5	1	0	28	...	92·07	257	235
D Stromeferry (Dailfeam) ...	Forestry Commission	5	0	8	100	...	73·08	272	226
M Stromeferry (Am Meallam) ...	Forestry Commission	5	1	3	625	...	77·62	...	...
D Applecross Gardens ...	Mr. J. McCowan	5	1	6	70	57·3	69·89	275	231
D ACHNASHELLACH ...	Forestry Commission	5	1	0	225	79·9	93·97	288	241
M § Coulin Pass ...	Forestry Commission	5	1	0	950	...	99·57	...	...
10.—INSULAR. OUTER HEBRIDES. 691 sq. mi.									
Stornoway Lighthouse ...	Com'rs of N. Lighthouses	5	0	6	28	...	44·00	237	236
D STORNOWAY Airport ...	(+A) Meteorological Office	5	1	0	10	47·3	48·36	278	228

DIVISION XIX—NORTHERN COUNTIES

SUTHERLAND. (Area, 2,080 sq. mi.)

1.—DORNOCH FIRTH. 413 sq. mi.									
D Dornoch (Ospisdale) ...	F. N. Sudlow, Esq.	8	1	2	50	...	34·97	243	160
d Strath Oykell (Rosehall) ...	Mr. A. Munro	5	1	0	200	36·8	39·29	250	193
D Lairg (Higher Torrobole) ...	William Mackenzie, Esq.	5	1	0	434	...	40·91	253	192
d Glen Cassley (Duchally) ...	N. of S. Hydro-Electric Bd.	5	0	11	437	...	68·81	237	233
2.—FLEET, BRORA & C. 309 sq. mi.									
3.—HELMSDALE & C. 226 sq. mi.									
d Kinbrace (Borrobol Lodge) ...	Sir Roderick Wigan, Bart.	5	1	6	340	33·5	36·68	229	191
4.—NORTH COAST STREAMS. 736 sq. mi.									
D Skerray (Borgie) ...	Forestry Commission	5	1	0	110	37·5	48·19	257	212
D Tongue ...	D. Murray Esq.	5	1	0	40	...	52·94	258	215
D STRATHY (Bowside) ...	Dept. of Agriculture	5	1	0	125	...	45·65	272	221
d Melvich Hotel ...	Miss M. Mackintosh	5	1	0	200	36·0	45·00	259	219
D Durness ...	W. M. Hames, Esq.	5	1	0	105	...	59·17	292	237
D CAPE WRATH ...	Principal Keeper (M.O.)	5	1	0	363	...	52·69	273	227
5.—LOCH LAXFORD & C. 256 sq. mi.									
D Drumbeg ...	K. Matheson, Esq.	5	1	0	200	...	54·40	268	228
M Loch Glendhu (Kylesku) ...	Mr. J. Clark...	5	1	0	50	...	60·25	...	...
D Loch More (Achfary) ...	Matthew Elliot, Esq.	5	1	0	137	75·8	102·68	267	247
6.—ENARD BAY. 138 sq. mi.									
D Elphin ...	Capt. H. MacLeod	5	1	2	750	61·4	76·19	284	249
D Lochinver (Bank House) ...	G. W. Gordon, Esq., J.P.	5	1	0	22	44·6	57·06	264	216
D Stoer ...	L. Ricketts, Esq.	5	1	0	70	...	54·46	261	223
7.—INSULAR. 2 sq. mi.									

* Per Capt. W. N. McClean.

§ Turf wall round gauge.

DIVISION XIX—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
CAITHNESS. (Area, 696 sq. mi.)									
1.—BERRIEDALE, DUNBEATH & C. 169 sq. mi.									
Clythness	Com'rs. of N. Lighthouses	5	1	5	133	29·6	32·66	230	217
2.—WICK & C. 184 sq. mi.									
D Wick Airport	Meteorological Office ...	5	1	0	119	29·9	35·33	236	161
Nosshead	Com'rs. of N. Lighthouses	5	0	9	129	25·1	31·52	214	189
d Lyth (Milton House)	D. Mackay, Esq.	5	1	0	100	...	37·01	...	...
3.—THURSO & C. 238 sq. mi.									
D Halkirk (Westerdale)	Rev. A. S. Maciver	5	1	0	195	...	37·38	241	198
Thurso (Holburn Head)	Com'rs. of N. Lighthouses	5	0	8	68	...	40·96	208	178
4.—FORSS & C. 104 sq. mi.									
5.—INSULAR. 1 sq. mi.									
Stroma	Com'rs. of N. Lighthouses	5	3	0	54	25·5	32·11	191	163
ORKNEY ISLANDS. (Area, 389 sq. mi.)									
Pentland Skerries Lighthouse	Com'rs. of N. Lighthouses	5	3	0	70	...	34·08	219	183
Hoy (Cantick Head)	Com'rs. of N. Lighthouses	5	3	10	68	32·9	41·28	244	190
Hoy (Graemsay Sound, High)	Com'rs. of N. Lighthouses	5	1	4	29	35·8	46·90	260	228
Hoy (Graemsay Sound, Low)	Com'rs. of N. Lighthouses	8	4	4	40	35·9	49·09	265	219
D GRIMSETTER Airport	Meteorological Office ...	5	1	0	84	...	43·66	255	199
D Stenness	late W. J. Moar, Esq. ...	5	1	0	20	...	40·83	265	206
Hellyar Holm	Com'rs. of N. Lighthouses	5	1	3	35	32·9	37·92	259	189
M Shapinsay (Balfour Castle)	Mr. J. W. Liddell	5	0	5	50	32·0	39·31	...	...
Sanday (Start Point)	Com'rs. of N. Lighthouses	5	1	0	27	31·1	40·40	253	215
North Ronaldshay	Com'rs. of N. Lighthouses	5	0	9	22	32·8	37·29	259	201
SHETLAND ISLANDS. (Area, 558 sq. mi.)									
D LER WICK OBSERVATORY	(+A) Meteorological Office ...	8	1	0	269	38·1	48·53	265	205
D Bixter (Vementry)	Captain D. Cross	5	1	1	25	37·2	42·84	257	212

Northern Ireland

FERMANAGH. (Area, 713 sq. mi.)

1.—ERNE. 667 sq. mi.									
D Newtownbutler (Crom Castle)	The Earl of Erne	5	1	0	200	38·7	43·57	280	194
D Florencecourt	The Earl of Enniskillen ...	5	1	0	269	48·5	50·85	224	178
D Enniskillen (Bellevue)	Lady Margaret Lowry-Corry	5	1	0	240	41·0	45·46	273	199
d Enniskillen (Portora Royal School)	Headmaster	5	0	10	246	...	(49·28)	(246)	(202)
D Colebrooke	Sir Basil Brooke, Bart. ...	5	1	0	250	...	46·96	248	200
d Ballinamallard (Rossfad)	Col. H. S. C. Richardson ...	5	0	11	200	...	51·73	...	187
D Belleek (Roscor)	J. H. Dick, Esq.	5	1	0	500	...	58·24	248	219
D Belleek	Mrs. Beacom	5	1	2	150	45·5	59·31	258	229
D Irvinestown (R.U.C.)	Sgt. Jebb*	5	1	0	303	...	50·68	240	210
D CASTLE ARCHDALE Airfield	(+A) Meteorological Office ...	5	1	0	240	...	49·19	255	201

* Per Govt. of Northern Ireland.

NORTHERN IRELAND—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1950		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
FERMANAGH—(contd.).									
2.—DROWES & C. 46 sq. mi.									
ARMAGH. (Area, 514 sq. mi.)									
1.—DUNDALK BAY. 118 sq. mi.									
2.—CARLINGFORD LOUGH. 23 sq. mi.									
D Bessbrook (The Woodhouse) ...	J. S. W. Richardson, Esq.	5	1	0	260	37·2	47·57	253	212
3.—BANN. Lough Neagh, East. 37 sq. mi.									
4.—BANN. UPPER. 144 sq. mi.									
d Markethill (Whitecross) ...	R. U. C. Barracks* ...	5	1	0	400	...	46·67	...	...
d Portadown (Tavanagh House) ...	Borough Surveyor ...	5	1	0	89	...	33·76	...	...
5.—BANN. Lough Neagh, West. 192 sq. mi.									
D Keady (Derrynoose Rectory) ...	Rev. T. F. Campbell ...	5	1	0	380	...	38·30	258	185
D Tynan Abbey ...	Sir Norman Stronge, Bart.	5	1	0	167	...	36·46	236	177
D ARMAGH Observatory ...	(+A) Director of Obsy. (M.O.) ...	8	1	0	205	31·7	37·89	224	183
D Richhill (Sandymount) ...	Mrs. C. B. Lamb ...	5	1	6	200	29·3	35·97	238	175
DOWN. (Area, 961 sq. mi.)									
1.—CARLINGFORD LOUGH. 104 sq. mi.									
D Newry (Bridge Street House) ...	C. Blaney, Esq. ...	5	1	0	23	38·1	39·95	213	188
2.—DUNDRUM BAY & C. 173 sq. mi.									
D Silent Valley (Belfast W.W.) ...	R.H. McCullough, Esq., B.Sc.	5	1	0	457	...	53·05	264	208
D Annalong (Belfast W.W.) ...	R.H. McCullough, Esq., B.Sc.	5	1	0	435	47·5	48·33	220	197
M Mourne Mount'ns (Slieve Lamagan) ...	R.H. McCullough, Esq., B.Sc.	5	1	0	1320	...	75·10	...	...
M Mourne Mount'ns (Lough Shannagh) ...	R.H. McCullough, Esq., B.Sc.	5	1	0	1280	65·6	74·50	...	...
M Mourne Mount'ns (Slieve Bearnagh) ...	R.H. McCullough, Esq., B.Sc.	5	1	0	1954	...	72·20	...	...
D Seaforde ...	Lt.-Col. D. C. Forde ...	8	1	0	180	38·3	42·35	212	183
3.—STRANGFORD LOUGH. 260 sq. mi.									
D Grey Abbey (Holland Dene)†	J. T. Barnes, Esq. ...	5	1	0	6	...	30·08	185	150
4.—COAST STREAMS. 47 sq. mi.									
Ballywalter Park ...	Lord Dunleath ...	5	1	0	50	...	34·21	219	173
D Donaghadee (Craigmore) ...	Miss E. E. Coates ...	5	1	0	60	30·6	35·28	240	172
D Donaghadee (Orlock Reservoir) ...	Resident Engineer ...	5	1	0	43	...	32·61	216	170
5.—BELFAST LOUGH. 206 sq. mi.									
Annaghanoon ...	W. J. Gibson, Esq. ...	5	1	0	200	...	38·69	...	...
D Waringstown (The Forge) ...	W. J. Gibson, Esq. ...	5	1	0	184	32·2	39·68	243	186
D HILLSBOROUGH (Ag. Research Inst.) ...	Secretary ...	5	1	0	388	...	38·86	244	188
d Knock (Cherryvalley Park) ...	W. R. Carmody, Esq. ...	5	1	0	120	...	40·25	245	188
D Belfast (Kingsway Gardens) ...	S. Dunlop, Esq. ...	5	1	0	128	...	39·49	230	178
D Ballysallagh Reservoir ...	Bangor Borough Surveyor ...	5	2	1	245	...	38·83	216	199
D HOLLYWOOD (CULTRA) ...	T. D. Boyd, Esq. ...	5	1	0	77	...	37·98	237	188
d Bangor (Garth House School) ...	Miss E. N. Swanson ...	5	...	...	120	...	34·02	...	...

* Per Govt. of Northern Ireland.

† Formerly called Newtownards (Grey Abbey).

NORTHERN IRELAND—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
DOWN—(contd.).		in.	ft.	in.	ft.	in.	in.		
6.—BANN. Lough Neagh East. 7 sq. mi.									
7.—BANN. UPPER. 162 sq. mi.									
d Banbridge	... .. Town Surveyor	5	1	1	252	...	37·46	...	201
8.—INSULAR. 2 sq. mi.									
ANTRIM. (Area, 1,193 sq. mi.)									
1.—BELFAST LOUGH. 107 sq. mi.									
D LISBURN School...	... Headmaster	8	1	0	201	34·1	37·44	228	183
D Lambeg (Glenmore House)	... Linen Industry Res. Assn.	8	0	11	100	...	39·22	254	203
D Dunmurry (Warren House)	... Col. H. R. Charley	5	0	10	110	...	42·84	253	197
D Dunmurry (Lagmore)	... R.H. McCullough, Esq., B.Sc.	5	1	0	385	...	48·92	258	208
D BELFAST (QUEEN'S UNIVERSITY)	... Secretary	5	1	0	62	34·5	38·95	224	190
D Belfast (Sewage Works)	... City Surveyor	8	1	0	26	35·8	40·42	227	174
D Belfast (Oldpark Filters)	... R.H. McCullough, Esq., B.Sc.	5	1	0	203	39·0	48·00	244	208
D Carrickfergus (Dorisland)	... R.H. McCullough, Esq., B.Sc.	5	1	0	271	...	42·17	243	193
D Carrickfergus (Knockagh)	... R.H. McCullough, Esq., B.Sc.	5	1	0	723	...	46·27	232	195
D Carrickfergus (S. Woodburn)	... R.H. McCullough, Esq., B.Sc.	5	1	0	640	44·5	51·11	251	204
D Carrickfergus (Copeland)	... R.H. McCullough, Esq., B.Sc.	5	1	0	427	40·0	43·03	243	197
D Carrickfergus (Lough Mourne)	... R.H. McCullough, Esq., B.Sc.	5	1	0	596	42·5	47·15	258	208
2.—GLENARM & C. 186 sq. mi.									
D Larne (Ballycarry)	... J. Mc.Clintock, Esq.	5	1	0	250	...	43·26	229	186
D Larne (Sallagh Springs)	... J. E. Croasdaile, Esq., M.A.	5	1	0	566	50·0	49·98	243	223
3.—BUSH & C. 193 sq. mi.									
D Ballycastle (Coolgreany)	... E. R. Casement, Esq.	5	1	0	90	...	45·34	230	198
4.—BANN. LOWER. 112 sq. mi.									
D Toomebridge	... M. of Finance Lock Keeper*	5	1	0	59	...	40·99	225	191
5.—BANN. Lough Neagh, East. 590 sq. mi.									
D Stoneyford (Belfast W.W.)	... R.H. McCullough, Esq. B.Sc.	5	1	0	453	...	46·20	261	199
D Leathemstown (Belfast W.W.)	... R.H. McCullough, Esq. B.Sc.	5	1	0	534	...	50·06	254	203
D Nutts Corner (Belfast Airport)	... Meteorological Office	5	1	0	348	...	39·37	216	176
D ALDERGROVE Airfield	... (+A) Meteorological Office	5	1	0	220	33·0	37·55	233	184
D Randalstown	... Old Bleach Linen Co.	5	1	0	100	...	45·15	246	199
d Glenwherry (Manse)	... Rev. D. P. Connery, B.A.*	5	1	0	690	...	52·80	240	215
d Ballymena (Harryville)	... R. Leathem, Esq.	5	1	5	150	41·5	51·30	257	212
D Broughshane (Quolie)	... H. W. Craig, Esq., C.E.	5	1	6	864	47·3	61·01	267	224
6.—INSULAR. 5 sq. mi.									
LONDONDERRY. (Area, 816 sq. mi.)									
1.—LOUGH SWILLY. 6 sq. mi.									
d Londonderry (Dunruadh)	... J. H. Welch, Esq.	5	0	6	150	40·5	51·62	263	214
2.—BUSH & C. 9 sq. mi.									

* Per Govt. of Northern Ireland.

|| Gauge over-exposed.

NORTHERN IRELAND—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1950		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
LONDONDERRY—(contd.).		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
3.—BANN. LOWER. 240 sq. mi.									
D Upperlands (Ardfara) ...	H. J. Clark, Esq. ...	5	2	0	250	...	51·43	248	211
D GARVAGH (MONEYDIG) ...	J. Porter, Esq. ...	5	1	0	121	38·8	50·62	265	216
D Coleraine (The Cutts) ...	M. of Finance Lock Keeper*	5	1	0	22	...	53·10	265	213
D Coleraine (Ingledene) ...	W. R. Johnston, Esq. ...	5	3	4	55	...	50·14	265	204
4.—BANN. Lough Neagh, West. 196 sq. mi.									
D Draperstown (Ard Muiri) ...	James Gunn, Esq.*	5	1	0	267	...	54·95	281	210
5.—FOYLE & C. 365 sq. mi.									
M Glenedra (Spelhoagh Mountain) ...	Londonderry C.B.C. ...	5	1	0	1333	60·0	82·92	...	...
M Glenedra Hill ...	Londonderry C.B.C. ...	5	1	0	1333	62·5	77·93	...	...
M Glenedra Lodge ...	Londonderry C.B.C. ...	5	1	0	950	57·0	68·56	...	...
M ||Glenedra (Altagarran Mountain) ...	Londonderry C.B.C. ...	5	1	0	1230	...	63·09	...	...
M Dungiven (Labbyheige) ...	Londonderry C.B.C. ...	5	1	0	1150	...	66·57	...	...
M Altnahegligh (Altabrogy Burn) ...	Londonderry C.B.C. ...	5	1	0	967	...	68·38	...	...
M Glenedra Intake ...	Londonderry C.B.C. ...	5	1	0	740	...	66·97	...	...
M Altnahegligh (Glack Burn) ...	Londonderry C.B.C. ...	5	1	0	967	...	65·82	...	...
D Dungiven (Banagher Filters) ...	Londonderry C.B.C. ...	5	1	0	373	...	57·25	301	232
D Dungiven (Brianan) ...	A. E. Bunn, Esq.* ...	5	1	0	330	...	52·56	271	222
D Londonderry (Creggan Res.) ...	Mr. J. Hodgson ...	8	1	0	325	41·8	52·71	255	221
D BALLYKELLY Airfield ...	Meteorological Office ...	5	1	0	10	...	41·41	248	196
D Limavady (Drenagh) ...	Lt.-Col. C. R. McCausland	5	1	6	80	37·0	48·21	258	206
D CASTLEROCK (Craighead) ...	E. G. Box, Esq. ...	5	1	0	57	...	47·58	256	202
TYRONE. (Area, 1,257 sq. mi.)									
1.—ERNE. 46 sq. mi.									
2.—BANN. Lough Neagh, West. 442 sq. mi.									
D Dungannon (Aloha) ...	Major R. Stevenson ...	5	1	0	275	37·2	43·84	252	200
D Castlecaulfield (Parkanaur) ...	Major Y. A. Burges ...	8	0	6	250	...	47·42	253	202
d Cookstown (Loughery Agric. College)	J. A. Young, Esq.*	5	1	0	208	...	(44·91)	(244)	(198)
3.—FOYLE. 769 sq. mi.									
D Omagh (Edenfel) ...	Mrs. F. M. Hammond Smith	8	1	0	280	40·1	49·90	260	212
D Gortin (Beltrim School) ...	H. C. Willis, Esq.* ...	5	1	0	393	...	56·31	257	210
D Sion Mills (Sion House) ...	Capt. J. C. Herdman ...	5	1	0	100	39·1	50·61	239	214

* Per Govt. of Northern Ireland.

|| Gauge over-exposed on moor.

BRITISH RAINFALL, 1950

PART III

Papers on Rainfall in British Rainfall, 1926-1950.

The details given below follow on similar summaries published in *British Rainfall*, 1900 and *British Rainfall*, 1925. In some cases references are given to papers which deal with the subjects grouped under the several sectional headings but are published elsewhere. References are also given to some of the important tabulations of data given in the general text of the volumes, which might otherwise be overlooked. The headings adopted in the corresponding article in *British Rainfall*, 1925, have been retained.

1. Historical.

No papers have appeared in the volumes of *British Rainfall* dealing specifically with rainfall from the historical aspect but a short history of rainfall recording in London is given in the paper "The average annual rainfall over the County of London" in *British Rainfall*, 1933, p. 266.

The historical aspect of the British Rainfall Organization is included in the obituary notice of Dr. Hugh Robert Mill in *British Rainfall*, 1949, pp. 1-2 and in the *Met. Mag., London*, 79, 1950, pp. 180-182, as well as in the obituary notice to Mr. H. Sowerby Wallis, *Quart. J. R. met. Soc., London*, 69, 1943, pp. 308-310. Mr. Sowerby Wallis joined G. J. Symons in 1872, became Chief of the Rainfall Organization on the death of G. J. Symons in 1900 and left in September 1903 when the responsibility devolved entirely on Dr. H. R. Mill.

The history of the preparation of average annual rainfall maps of Great Britain is set out in the *Met. Mag., London*, 79, 1950, pp. 56-58. This article describes the preparation of the average map published by the Ordnance Survey in 1950 on a scale of 10 miles to 1 inch covering Great Britain in two sheets.

2. Notes on Rain-gauges.

(a) Experiments with rain-gauges with black and white funnels.

B. R. 1929, pp. 284-287.

The main conclusion is that the inside of the funnel should not be painted at all, since paint holds up rain on the funnel which is subsequently evaporated.

(b) The Jardi rate-of-rainfall recorder.

B. R. 1930, pp. 284-286.

The instrument is designed to record directly the intensity of rainfall.

(c) A "day and night" rain-gauge and some problems arising from its use. By E. G. Bilham and L. F. Lewis.

B. R. 1934, pp. 294-299.

As a result of these observations an inquiry was made into the relative losses due to pouring and evaporation from a copper can and from a milk bottle. The general conclusion was that the measurements were not much affected on the whole by whichever routine was employed.

(d) A note on the Tilting Syphon Rainfall Recorder.

B. R. 1936, p. 34.

This is the standard gauge adopted by the Meteorological Office for the measurement of duration of rainfall.

See also *Met. Mag., London*, 70, 1935, pp. 237-238. Other references:—Rain-gauge funnels of different depths, by J. Glasspoole, *Mon. Weath. Rev., Washington*, 49, 1931, p. 157. Details of the "Octapent" rain-gauge, which was designed for use as a monthly gauge in wet localities, are given in the *Met. Mag., London*, 66, 1931, p. 87.

3. Exposure of Rain-gauges.

(a) Exposure of rain-gauges in windy localities.

B. R. 1926, pp. 280–281.

A discussion of the amount of catch lost by over-exposure and some experiments in sheltering.

(b) Note on a comparison between rain-gauges with different exposures at Salt Island, Holyhead.

B. R. 1926, pp. 282–284.

(c) Experiments on the shielding of rain-gauges at Lympne Aerodrome, near Hythe, Kent. By J. Glasspoole.

B. R. 1930, pp. 272–279.

An attempt was made to discover whether wire-mesh netting provided better shelter than a pit.

(d) On some measurements of wind velocity at the level of a rain-gauge.

B. R. 1930, pp. 280–283.

A rain-gauge is only likely to retain a fair sample when the wind velocity at the funnel is less than 15 m.p.h. The measurement of wind velocity is a sound method of ascertaining whether a rain-gauge site is likely to give a deficient catch through over-exposure.

(e) A summary of seven years' experiments with rain-gauge shields in exposed positions, 1926–1932, at Hutton John, Penrith. By F. J. Hudleston.

B. R. 1933, pp. 274–293.

This is a summary of fuller information given in each volume of *British Rainfall* from 1926 to 1932.

(f) Measurements of wind velocity at the level of the rim of the rain-gauge at Holyhead. By L. F. Lewis.

B. R. 1937, pp. 291–293.

The article describes experiments in wind velocity at the height of the rim of the rain-gauge.

Other references :—Experiments on the shielding of rain-gauges, by C. D. Stewart, *Quart. J. R. met. Soc., London*, **52**, 1926, p. 55 ; Wind at the level of a rain-gauge, by E. Gold, *Met. Mag., London*, **63**, 1928, p. 39 ; The splashing of rain, by E. Gold, *Met. Mag., London*, **66**, 1931, p. 153.

4. Mapping Rainfall.

(a) The rainfall of Norfolk. By J. Glasspoole.

B. R. 1928, pp. 270–285.

This detailed account of the average rainfall and fluctuations of rainfall in Norfolk is intended to indicate the method adopted in preparing the maps of the " Rainfall Survey " of the British Isles on the scale of 2 miles to 1 inch and to serve as an example of the kind of information which is available for most parts of the country.

(b) Average annual rainfall over Pembrokeshire. By J. Glasspoole.

B. R. 1929, pp. 282–283.

(c) The rainfall of the Tees Valley. By J. Glasspoole.

B. R. 1932, pp. 289–291.

(d) The average annual rainfall over the County of London. By J. Glasspoole.

B. R. 1933, pp. 266–273.

The article includes a short history of rainfall recording in London, an account of the methods used in the preparation of a rainfall map and a brief comparison with the distribution of rainfall over Paris.

5. The Rainfall of Particular Days.

(a) Rainfall in the Rhondda Valley, November 11th, 1929.

B. R. 1929, pp. 74–77.

A description of rainfall in the Rhondda valley on this day, together with a map. More than 8 inches was recorded in parts of the valley. See also *Met. Mag., London*, **64**, 1929, p. 249 and **65**, 1930, p. 32.

(b) The cloudbursts of Stainmore, Westmorland, June 18th, 1930. By F. Hudleston.

B. R. 1930, pp. 287–292.

Further details are available in the *Met. Mag.*, London, 65, 1930, pp. 129–131.

(c) The cloudbursts near Bootle (Cumberland), June 14th, 1931; details supplied by F. Hudleston.

B. R. 1931, pp. 75–78.

(d) The great Northamptonshire hailstorm of September 22nd, 1935.

B. R. 1935, pp. 281–285.

Other reference :—Notes on the severe hailstorm of August 29th, 1930, near Peebles. By A. Venables. *Met. Mag.*, London, 65, 1930, pp. 184–5.

6. The Rainfall at Particular Places.

30 years' rainfall at the West of Scotland Agricultural College, Kilmarnock. By W. Dunbar.

B. R. 1931, pp. 286–298.

Other references :—Eighty years' rainfall at North Craig Reservoir, Kilmarnock, by W. Dunbar, *Quart. J. R. met. Soc.*, London, 58, 1932, p. 31; Raingaugings near Belper and Duffield (Derbyshire), by A. A. Barnes, *Quart. J. R. met. Soc.*, London, 58, 1932, p. 115; The York rainfall 1831–1930; also 1811–1824 and for 114 years, by J. Edmund Clark, *Quart. J. R. met. Soc.*, London, 59, 1933, pp. 151–155.

7. The Duration of Rainfall.

Mean monthly and annual duration of rainfall in hours, 1931–1940.

B. R. 1948, pp. 30–31.

The tables give means for 50 stations and the corresponding mean rates at 14 stations.

8. The Number of Rain-days.

The distribution over the British Isles in time and space of the annual number of days with rain. By J. Glasspoole.

B. R. 1926, pp. 260–279.

Other references :—The distribution over the British Isles of the average number of days with rain during each month of the year, by J. Glasspoole, *Quart. J. R. met. Soc.*, London, 54, 1928, pp. 89–104; Rainless Days of London, by J. E. Belasco, *Quart. J. R. met. Soc.*, London, 74, 1948 pp. 339–348.

9. Heavy Falls of Rain in Short Periods.

(a) Heavy falls on rainfall days, 1865 to 1934. By J. Glasspoole.

B. R. 1934, pp. 266–283.

Each volume of *British Rainfall* since that of 1865, has included a section dealing with the heavy falls on rainfall days recorded during the year. The article summarizes this information and includes a tabular statement of the more outstanding falls. Reference should also be made to the article “Tweed Valley Floods, Heavy rainfall of August 11–12, 1948” in *Met. Mag.*, London, 78, 1949, pp. 3–11.

(b) The frequency of heavy rains lasting from 1 to 48 hours at Kew Observatory during the period 1878 to 1927. By E. G. Bilham and R. F. M. Hay.

B. R. 1934, pp. 284–293.

Details are given of falls of (A) 1·0 inch, (B) 1·5 inch and (C) 2·0 inch occurring in times (a) 1 hour or less, (b) 2 hours or less, (c) 5 hours or less, (d) 8 hours or less, (e) 16 hours or less, (f) 24 hours or less, (g) 48 hours or less. Reference is made to “An investigation of the statistical probability of rain in London” by D. Dewar in *Quart. J. R. met. Soc.*, London, 60, 1934, pp. 285–312.

(c) Classification of heavy falls in short periods. Revision of the curves showing the lower limits of “noteworthy”, “remarkable” and “very rare” falls. By E. G. Bilham.

B. R. 1935, pp. 262–280.

As a result of inquiries initiated by the Ministry of Health regarding the disposal of floodwater, statistics were collected and published in Table XVI of *British Rainfall*. A

summary of the data then available was published in an article entitled "Heavy falls in short periods (two hours or less)", in *Quart. J. R. met. Soc., London*, **57**, 1931, pp. 57-70.

Other reference :—The areas covered by intense and widespread falls of rain. By J. Glasspoole. *Min. Proc. Inst. civ. Engrs., London*, **229**, 1929, pt. 1, pp. 137-194.

10. Dry and Wet Seasons.

(a) Seasonal rainfall as percentage of the average 1881-1915 for the years 1906-07 to 1925-26.

B. R. 1926. Table xxii, p. 125.

(b) Comparative summary of droughts 1887-1929.

B. R. 1929, p. 20.

(c) Some remarkable features of the rainfall of 1929. By J. Glasspoole.

B. R. 1929, pp. 272-281.

(d) Serial general values of seasonal rainfall for the British Isles, 1870 to 1936.

B. R. 1936, pp. 131-132.

(e) Drought in Scotland, November 1935 to June 1936. By J. Glasspoole.

B. R. 1936, pp. 266-271.

(f) Notes on some unusual features of the rainfall of 1937, viz. the wet period January to May 1937 and the dry period August to December 1937. By J. Glasspoole.

B. R. 1937, pp. 280-290.

The article deals with the rainfall preceding the flooding in the Great Ouse Catchment Area in March 1937.

Other references :—Average and extreme seasonal rainfall over the British Isles, by J. Glasspoole, *Trans. Inst. Wat. Engrs., London*, **33**, 1928, pp. 51-69 ; Extremes of rainfall over the British Isles, by J. Glasspoole, *Off. Circ. Brit. Waterw. Ass., London*, **81**, 1929 ; The exceptional summer of 1933, by J. Glass-

poole and W. L. Andrew, *Quart. J. R. met. Soc., London*, **60**, 1934, pp. 29-56 ; The seasonal and geographical distribution of absolute droughts in England, by L. F. Lewis, *Quart. J. R. met. Soc., London*, **65**, 1939, p. 367 ; Absolute droughts and partial droughts over the British Isles, 1906-1940, by J. Glasspoole and H. Rowsell, *Met. Mag., London*, **76**, 1947, pp. 201-205 ; The incidence of Anticyclonic Days and Spells over the British Isles, by J. E. Belasco, *Weather*, **3**, 1948, pp. 233-242 ; The absolute droughts of August 1947, by J. Glasspoole and H. Rowsell, *Met. Mag., London*, **79**, 1950, pp. 260-262.

11. Fluctuations of Monthly Rainfall.

General monthly rainfall over England and Wales, 1727 to 1931. By Frieda J. Nicholas and J. Glasspoole.

B. R. 1931, pp. 299-305.

Other reference :—The variability of average monthly rainfall throughout the year. By J. Glasspoole. *Quart. J. R. met. Soc., London*, **53**, 1927, p. 127.

12. Fluctuations of Annual Rainfall.

(a) General rainfall over England 1727 to 1927 expressed as per cent of average, 1881-1915.

B. R. 1927, pp. xiv-xv.

See also "Two centuries of rain" published in the *Met. Mag., London*, **63**, 1928, pp. 1-6.

(b) Rainfall over the British Isles, 1901 to 1930. By J. Glasspoole.

B. R. 1937, pp. 264-290.

The period 1901 to 1930 has been adopted by international agreement as the standard in computing climatological normals. The rainfall of the period 1901 to 1930 is considered in relation to that experienced during the period 1881 to 1915, which has been adopted as the standard in British Rainfall since 1920. An appendix gives many references to papers,

maps and computations which use the period 1881 to 1915 as the standard average.

(c) Rainfall over the British Isles during the dry years 1854 to 1858. By J. Glasspoole.

B. R. 1938, pp. 278–289.

This article deals with the driest two, three, four and five consecutive years over the country generally.

Other references :—The trend of annual rainfall in Scotland, by A. H. R. Goldie and H. E. Carter, *Trans. Inst. Wat. Engrs., London*, **44**, 1939, p. 93 ; The reliability of rainfall over the British Isles, by J. Glasspoole, *Trans. Inst. Wat. Engrs., London*, **35**, 1930, p. 174 ; *J. Inst. Wat. Engrs., London*, **1**, 1947, p. 441 ; and the third paper, Frequency Distribution, **5**, 1951, pp. 17–29.

13. Notes on Snowfall.

(a) Snowfall in the British Isles during the half-century 1876–1925. By L. C. W. Bonacina.

B. R. 1927, pp. 260–287.

(b) Snowfall in the British Isles during decade 1926–1935. By L. C. W. Bonacina.

B. R. 1936, pp. 272–292.

(c) Snowfall in the British Isles, 1936–1945. By L. C. W. Bonacina.

B. R. 1948, pp. 209–218.

Other references :—Snow-cover in the British Isles in January and February of the severe winters, 1940, 1941 and 1942, by L. F. Lewis, *Quart. J. R. met. Soc., London*, **69**, 1943, p. 215 ; On the occurrence of snow-cover in Great Britain, by G. Manley, *Quart. J. R. met. Soc., London*, **65**, 1939, p. 2 ; Snowstorm during the night of April 25–26, 1950, *Met. Mag., London*, **79**, 1950, pp. 224–231.

14. Evaporation.

(a) On measurements of evaporation at Valentia observatory. By E. G. Bilham.

B. R. 1931, pp. 268–274.

The article shows that the anomalous results obtained from the tank in wet windy weather may be accounted for by losses due to out-splashing. The desirability of setting up a tank in a relatively sheltered site is emphasized.

(b) Percolation and evaporation at Grayshott (Hampshire), 1904–1929. By S. E. Ashmore.

B. R. 1933, pp. 262–265.

Other references :—The splashing of rain, with special reference to evaporation tanks, by E. G. Bilham, *Met. Mag., London*, **67**, 1932, p. 86 ; Percolation in the Chalk, by C. F. Lapworth, *J. Inst. Wat. Engrs., London*, **2**, 1948, p. 97 ; Evaporation from tanks in the British Isles, by J. Wadsworth, *Weather*, **3**, 1948, pp. 322–324 ; Some estimates of the amount and diurnal variation of evaporation from a clayland pasture in fair spring weather, by F. Pasquill, *Quart. J. R. met. Soc., London*, **75**, 1949, pp. 249–256 ; Evaporation over the British Isles, by H. L. Penman, *Quart. J. R. met. Soc., London*, **76**, 1950, pp. 372–383 ; Rainfall, run-off and evaporation, by J. Glasspoole, The Public Works and Municipal Services Congress 1950.

15. Unclassified Articles.

The frequency distribution of daily rainfall. By E. G. Bilham and A. C. Lloyd.

B. R. 1932, pp. 268–277.

The article deals with the frequency of occurrence of daily amounts of specified magnitudes. A method is given whereby the probability of occurrence of a daily rainfall of any given magnitude can be readily obtained at the twenty-four stations distributed over the British Isles, for which detailed statistics are given.

Other references :—Rainfall reviewed ; a common long-average period for each country of the British Isles, by A. A. Barnes, *Quart. J. R. met. Soc., London*, **58**, 1932, p. 126 ; Weather and water supply, by E. G. Bilham, *Wat. and Wat. Engr., London*, **39**,

1937, pp. 603–606 ; The wettest places in the British Isles, by J. Glasspoole, *Met. Mag. London*, **72**, 1937, pp. 142–144 ; The determination of the general rainfall over any area, report of Joint Committee, *Trans. Inst. Wat. Engrs., London*, **42**, 1937, p. 231 ; The rainfall of the British Isles, review of the development of our knowledge, by J. Glasspoole, *Wat. and Wat. Engn., London*, **40**, 1938, pp. 77–87 ; Notable falls of rain during the intervals of a few days in Great Britain, by E. L. Hawke,

Quart. J. R. met. Soc., London, **68**, 1942, p. 279 ; Rainfall over the British Isles during the decade 1930–39, by J. Glasspoole, *Quart. J. R. met. Soc., London*, **69**, 1943, p. 205 ; Meteorological conditions in heavy orographic rainfall, by C. K. M. Douglas and J. Glasspoole, *Quart. J. R. met. Soc., London*, **73**, 1947, p. 11 ; The Spring Floods of 1947 (River Lee, Great Ouse, River Trent, Kent Rivers), *Inst. Wat. Engrs., London*, **2**, 1948, pp. 12–35.

AVERAGE MONTHLY AND ANNUAL RAINFALL OVER EACH COUNTY OF ENGLAND AND WALES

The tabular statement included in this article gives the estimated general monthly and annual rainfall over each county of England and Wales (1881–1915). In the preparation of these values the first step was to evaluate the annual rainfall, using the survey maps on a scale of 2 miles to 1 inch. The isohyetal lines of these maps were published in 1949 by the Ordnance Survey in the Ministry of Town and Country Planning Series. In a few cases the county average had already been published, e.g. 23·7 inches for London in *British Rainfall*, 1933, p. 270, and 25·3 inches for Norfolk in *British Rainfall*, 1928, p. 277.

The next step was to distribute the annual amounts amongst the months. Now, while the average annual rainfall may vary rapidly from place to place, especially with the configuration of the land, the proportion falling in the various months changes but slowly, i.e. the isomeric values are similar over mountains and adjacent valleys. The general annual rainfall for each county was therefore distributed amongst the months by estimating appropriate isomeric values, as judged from existing isomeric maps on a scale of 19 miles to 1 inch.

Requests have been received, from time to time, for information on a county basis, e.g. from Agricultural Committees, and the complete series is reproduced here for reference purposes. It may be pointed out that these evaluations give the following averages for the countries :—England 31·9 ; Wales 51·4 ; and England and Wales 34·6 inches. These values are within 2 per cent of those originally calculated for these countries, confirming the general accuracy of the estimates county by county.

The tabular statement shows that the driest counties are Huntingdonshire and Cambridgeshire, and February gives the smallest values of 1·2 and 1·3 inch. Merionethshire and Caernarvonshire rank as the wettest counties and December gives the largest values of 8·2 and 8·0 inches. The driest months in these two wet counties are April, May and June, with September ranking fourth.

Many of the staff of the British Rainfall Organization have been engaged in the computations which have of necessity extended over many years, but the enthusiasm to complete the work was provided by Miss H. Rowsell.

Average monthly and annual rainfall in inches over each county.

County	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
ENGLAND													
London	1·8	1·6	1·8	1·5	1·7	2·0	2·2	2·2	1·8	2·5	2·3	2·3	23·7
SOUTH-EASTERN COUNTIES													
Surrey	2·3	2·1	2·2	1·6	1·8	2·1	2·3	2·4	2·1	3·3	3·0	3·2	28·4
Kent	2·0	1·8	2·0	1·7	1·7	2·1	2·2	2·3	2·1	3·3	2·9	2·8	26·9
Sussex	2·55	2·3	2·3	1·85	1·85	2·0	2·4	2·6	2·3	3·95	3·45	3·45	31·0
Hampshire	2·7	2·4	2·35	1·8	2·05	2·15	2·35	2·6	2·15	4·0	3·25	3·55	31·35
Berkshire	2·1	2·0	2·0	1·7	1·9	2·1	2·3	2·4	1·9	3·2	2·5	2·9	27·0
SOUTH MIDLAND COUNTIES													
Middlesex	1·9	1·7	1·9	1·5	1·8	2·1	2·2	2·3	1·8	2·8	2·4	2·5	24·9
Hertfordshire	1·9	1·8	1·9	1·6	1·9	2·2	2·3	2·4	1·9	2·9	2·5	2·6	25·9
Buckinghamshire	2·1	1·8	1·9	1·7	1·9	2·1	2·3	2·5	1·9	3·1	2·5	2·7	26·5
Oxfordshire	2·1	1·8	1·9	1·6	2·0	2·2	2·5	2·5	1·9	3·1	2·5	2·7	26·8
Northamptonshire	1·9	1·7	1·8	1·7	2·0	2·0	2·5	2·5	1·9	2·9	2·3	2·5	25·7
Huntingdonshire	1·6	1·2	1·5	1·4	1·9	1·9	2·2	2·4	1·7	2·6	2·0	2·1	22·5
Bedfordshire	1·8	1·5	1·8	1·5	2·0	2·1	2·3	2·4	1·8	2·7	2·2	2·3	24·4
Cambridgeshire	1·5	1·3	1·55	1·35	1·8	2·1	2·4	2·45	1·7	2·45	2·0	2·0	22·6
EASTERN COUNTIES													
Essex	1·7	1·5	1·8	1·4	1·6	2·0	2·3	2·2	1·8	2·6	2·3	2·3	23·5
Suffolk	1·8	1·4	1·8	1·5	1·8	2·0	2·4	2·4	2·0	2·7	2·3	2·4	24·5
Norfolk	1·8	1·6	1·8	1·5	1·8	2·0	2·5	2·5	2·1	2·9	2·4	2·4	25·3
SOUTH-WESTERN COUNTIES													
Wiltshire	2·6	2·2	2·3	2·0	2·1	2·3	2·4	2·8	2·1	3·6	3·1	3·7	31·2
Dorset	3·0	2·8	2·6	2·2	1·9	2·2	2·4	2·8	2·5	4·2	3·7	4·2	34·5
Devonshire, South	4·0	3·7	3·5	2·8	2·5	2·5	3·0	3·6	2·8	4·8	4·5	5·6	43·3
Devonshire, North	4·0	3·4	3·4	2·6	2·4	2·7	3·0	3·8	3·1	5·3	4·7	5·9	44·3
Cornwall	4·1	3·7	3·5	2·7	2·3	2·5	3·1	3·5	3·1	5·2	4·8	6·0	44·5
Somerset	2·9	2·6	2·6	2·2	2·1	2·2	2·7	3·3	2·6	4·0	3·4	4·1	34·7
WEST MIDLAND COUNTIES													
Gloucestershire	2·5	2·1	2·2	1·9	2·1	2·4	2·65	3·05	2·2	3·4	2·8	3·2	30·5
Herefordshire	2·6	2·25	2·25	2·05	2·25	2·4	2·4	2·9	2·1	3·6	2·8	3·6	31·2
Shropshire	2·3	1·9	2·1	1·8	2·3	2·3	2·5	3·1	2·0	3·2	2·7	3·1	29·3
Staffordshire	2·5	2·0	2·45	1·95	2·3	2·6	2·9	3·3	2·3	3·25	2·7	3·2	31·45
Worcestershire	2·1	1·7	1·8	1·7	2·1	2·3	2·4	2·7	1·9	2·8	2·4	2·7	26·6
Warwickshire	2·0	1·7	1·8	1·7	2·1	2·3	2·4	2·7	1·8	2·8	2·4	2·6	26·3
NORTH MIDLAND COUNTIES													
Leicestershire	2·0	1·7	1·8	1·7	2·0	2·1	2·5	2·7	1·8	2·8	2·2	2·5	25·8
Rutland	1·85	1·65	1·7	1·5	2·05	1·85	2·55	2·55	1·85	2·85	2·35	2·5	25·25
Lincolnshire	1·8	1·6	1·7	1·5	1·8	1·9	2·4	2·6	1·8	2·8	2·1	2·4	24·4
Nottinghamshire	1·9	1·6	1·8	1·5	2·0	2·1	2·4	2·6	1·7	2·7	2·1	2·5	24·9
Derbyshire	2·8	2·4	2·5	2·1	2·5	2·6	3·1	3·2	2·3	3·6	3·1	3·7	33·9
NORTH-WESTERN COUNTIES													
Cheshire	2·3	1·9	2·1	1·8	2·2	2·6	2·9	3·5	2·4	3·3	2·8	3·1	30·9
Lancashire	3·5	2·9	3·1	2·4	2·6	2·8	3·6	4·4	3·4	4·3	4·0	4·4	41·4
Yorkshire, W. R.	3·1	2·5	2·7	2·2	2·4	2·6	3·2	3·4	2·3	3·9	3·1	3·6	35·0
Yorkshire, E. R.	2·0	1·7	1·9	1·6	2·0	2·1	2·4	2·7	1·8	3·1	2·4	2·6	26·3
Yorkshire, N. R.	2·6	2·3	2·5	2·1	2·4	2·4	3·0	3·3	2·2	3·6	3·1	3·1	32·6
NORTHERN COUNTIES													
Durham	2·4	2·1	2·4	2·0	2·4	2·4	3·0	3·1	2·2	3·7	3·0	3·0	31·7
Northumberland	2·6	2·2	2·8	2·0	2·5	2·3	3·1	3·4	2·4	3·9	3·2	3·3	33·7
Cumberland	4·3	4·2	4·1	3·0	3·4	3·3	4·3	5·4	4·1	5·3	5·1	5·7	52·2
Westmorland	5·9	5·2	4·9	3·4	3·6	3·4	4·8	5·7	4·5	5·9	6·0	7·1	60·4
WALES													
Monmouthshire	3·8	3·3	3·3	2·6	2·8	2·7	3·0	3·9	2·9	4·6	4·2	4·9	42·0
Glamorgan	5·2	4·2	4·4	3·3	3·0	3·2	3·9	5·3	3·9	6·3	5·6	7·0	55·3
Cardiffshire	5·0	4·2	4·2	3·0	3·1	3·2	3·9	4·9	3·7	6·1	5·4	6·4	53·1
Pembrokeshire	4·4	3·5	3·5	2·6	2·6	2·7	3·1	4·1	3·5	5·4	5·0	5·6	46·0
Cardiganshire	4·9	3·9	4·1	3·0	2·9	3·0	3·9	4·9	3·8	5·8	5·4	6·1	51·7
Brecknockshire	5·6	4·7	4·8	3·4	3·3	3·3	3·9	5·0	3·4	6·1	5·7	7·1	56·3
Radnorshire	4·2	3·6	3·5	2·7	2·7	2·8	3·2	4·2	2·8	4·8	4·4	5·4	44·3
Montgomeryshire	4·9	4·0	3·9	3·0	3·1	3·3	3·7	4·9	3·5	5·5	5·2	6·2	51·2
Flintshire	2·3	1·9	2·1	1·8	2·1	2·3	2·5	3·1	2·3	3·5	2·9	2·9	29·7
Denbighshire	3·6	3·0	3·1	2·4	2·7	2·6	2·9	3·9	2·7	4·6	4·1	4·3	39·9
Merionethshire	6·7	5·3	5·6	4·0	3·9	4·0	4·9	6·7	4·8	7·0	7·2	8·2	68·3
Caernarvonshire	6·1	5·3	5·4	4·0	4·0	4·2	4·8	6·5	4·9	7·5	7·6	8·0	68·3
Anglesey	3·1	2·6	2·9	2·1	2·2	2·3	2·7	3·5	2·8	4·3	4·3	4·3	37·1

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